DASLAB DOCUMENTATION

DATABASE AND STORAGE FOR LABORATORY ANTIBODIES

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daslabapp

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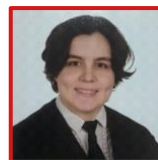
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ABOUT US

Dear User,

We are glad to introduce us:
We are Laura, Marina and Olfat, students from the Master in Bioinformatics for Health Sciences of Pompeu Fabra University and you are using DasLab: Database and storage for laboratory antibodies, which is a project that we are performing in the Database and Web development subject of our master's degree.
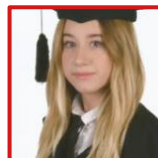
Laura Gonzalez

Hi I'm Laura, a Geneticist from Barcelona, currently cursing a MSc in Bioinformatics at the UPF. I'm also interested in fields related with forensic studies.

Marina Murillo

Hi I'm Marina, I'm a Biotechnologist from Barcelona currently cursing a MSc in Bioinformatics at the UPF. I'm so interested in fields related with bioinformatics, especially in genomic data analysis.

Olfat Khannous

Hi I'm Olfat Khannous, a Biotechnologist from Vic currently cursing a MSc in Bioinformatics at the UPF. I have special interest in Genomics, Metagenomics and Metabolism!

The following documentation will help you to move around our web application, DasLab.

Hope that the documentation is useful, if you have any problem you can contact us using our email.

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WHAT DASLAB OFFERS

REGISTER AND LOG IN

→ **Admin:** The first user that register itself from a particular entity. As an administration the user **can add new antibodies or delete them** to the database and search for them, but it can also access to an admin page, that give it special privileges that are explained bellow.

IMPORTANT! If an entity wants to use DasLab has to send us an email in order to be added into the register form.

→ **User:** by default, can add new antibodies to the database and search for them.

CREATE YOUR ACCOUNT !

* Required fields

* User Name   Name

* E-mail   name@gmail.com

* Password   * Repeat your password

The password must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters

Please select your Entity from the list or contact DasLab to add yours. The first user of the Entity that is registered is going to be the administrator.

* Entity name

Universitat Pompeu Fabra

Department   Life Sciences

* Location   Barcelona

SUBMIT

AB STORAGE

SEARCHER:

Search all the antibodies registered by all the users of an entity. You have different options in the search page:

→ **Search by target**

With this search option you can see all the antibodies that have been used for a specific target. If you are searching for a primary antibody, then the target is going to be a protein but if you are searching for a secondary antibody then target is going to be a primary antibody.

SEARCHER

Search all the antibodies that have been used for an specific target and obtain experimental data about them.

>Search for primary antibodies used for an specific protein

BY TARGET (PROTEIN)

>Search for secondary antibodies used for an specific primary antibody

BY TARGET (PRIMARY AB)

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Output when you search by target protein in order to obtain a primary antibody. You obtain all the antibodies used to detect that protein.

SEARCH RESULTS TARGET

ANTIBODIES USED WITH P04637 by Universitat de Barcelona

Antibody ID	Name	Type	Suplier
A11232 +More info	p53 Polyclonal Antibody	Primary	ABclonal
ab237922 +More info	Anti-p53	Primary	ABCAM
ab238071 +More info	Anti-p53	Primary	ABCAM
MA5-12554 +More info	anti-p53	Primary	Invitrogen

Click on +More info if you want to obtain the detailed description of the antibody and experiment data about the antibody

Output when you search by target primary antibody in order to obtain a secondary antibody.

ANTIBODIES USED WITH ab237922 by Universitat de Barcelona

Antibody ID	Name	Type	Suplier
ab150077 +More info	Goat Anti-Rabbit IgG	Secondary	ABCAM

Click on +More info if you want to obtain the detailed description of the antibody and experiment data about the antibody

In both of the searcher when you click to more info you obtain a detailed description about the antibody, and also you can access to the experimental results.

→ **Search by antibody ID (primary or secondary antibody)**
You can use it if you already know the antibody ID. Searching by the antibody ID you are going to obtain the description about the antibody that you are interested in like, the supplier, the target and other general characteristics about the antibody. In addition, the result of the search is going to contain information extracted from Uniprot and PubMed. Also, you can see a detailed description about the different experiments that have been performed with the antibody.

Do you already know the antibody ID?

Obtain information about the antibodies that have been registered using the antibody ID

BY PRIMARY ANTIBODY ID

BY SECONDARY ANTIBODY ID

Output for when you search for a primary antibody ID:

GENERAL INFORMATION ABOUT A11232, IN Universitat de Barcelona DATABASE.

Antibody ID:	A11232
Antibody name:	Name: p53 Polyclonal Antibody
	Antibody name references: PubMed
Clonality:	Mono
Type:	Primary
Organism:	Oryctolagus cuniculus (rabbit)
Supplier:	ABclonal
	Web: -->
Target Protein:	Uniprot code: P04637 UniProt
	Protein name: Cellular tumor antigen p53
	Gene: TP53
	Organism: Organism one

Experimental Data

When you search for a primary antibody you obtain all of this fields. You can directly search in Pubmed all the results for the name of the antibody or the information about the target protein in Uniport only clicking in the images of the web pages. Also, you can go to the supplier web page by clicking in the supplier image.

Output for when you search for a secondary antibody ID.

GENERAL INFORMATION ABOUT ab150077, IN Universitat de Barcelona DATABASE.

Antibody ID:	ab150077
Antibody name:	Name: Goat Anti-Rabbit IgG
	Antibody name references: PubMed
Clonality:	Poli
Type:	Secondary
Organism:	Capra hircus
Supplier:	ABCAM
	Web: -->
Target (Primary antibody):	ab237922 **+More info**

Experimental Data

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When you search for a secondary antibody you obtain all of this fields. You can directly search in Pubmed all the results for the name of the antibody or the information about the primary antibody target. Also, you can go to the supplier web page by clicking in the supplier image.

In both searches you have a link to the experimental data for the antibody that you are searching. This is the output when you go to the experimental data:

You can see all the results for an experiment trial (if it has been registered), you can also download the pdf document of the protocol used or download the pdf document.

REGISTER.

→ **New entry:**

If you want to add a new antibody use the new entry option. When you click to new entry the web page is going to redirect you to a form.

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→ **Form**:
In the form the fields that you can add are:

TYPE

○
○

Primary
Secondary

TARGET PROTEIN

ID: P04637: Cellular tumor antigen p53

OR

TYPE

○
●

Primary
Secondary

PRIMARY ANTIBODY TARGET

If your primary antibody is not in the select menu, please register first the primary and then select it as your target.

ID: ab238071

ANTIBODY

Antibody Id

Mans

Antibody Name

Write the name

Supplier   ABCAM

SOURCE ORGANISM

Name: Mus musculus

CLONALITY

Clonality:
● Mono
○ Poli

EXPERIMENT

Experiment Name   Northern Blot

You can also add options in the drop-downs by adding a new entry in the specific field. For example, you can add a new organism.

MY AB STORAGE

In my Ab storage, you can see all the antibodies that you have entered as a User. Output:

All the antibodies

Here you have all the antibodies that you have entered as a user.

Antibody ID	Name	Clonality	Type
A11232	p53 Polyclonal Antibody	Mono	Primary
ab237922	Anti-p53	Mono	Primary
ab238071	Anti-p53	Mono	Primary
MA5-12554	anti-p53	Mono	Primary
ab150077	Goat Anti-Rabbit IgG	Poli	Secondary

ADMIN

In this page the administration can access to the database formed from all the antibodies that the users from the same entity have entered.

All the antibodies

As an administrator you are allowed to edit or delete the antibodies that are added from all the users of your entity. If you want to see all the details of the antibodies, please look for them at the Ab storage search page.

Antibody ID	Antibody Name	Edit	Delete
A11232	p53 Polyclonal Antibody	Edit	Delete
ab150077	Goat Anti-Rabbit IgG	Edit	Delete
ab237922	Anti-p53	Edit	Delete
ab238071	Anti-p53	Edit	Delete
MA5-12554	anti-p53	Edit	Delete

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→ **Edit**

You can edit the different antibody entries.

Edition fileds

Antibody ID: ab238071

The antibody related fields in the following table can be edited for you:

Antibody ID	ab238071	
Antibody Name	Anti-p53 antibody	
Sc name Ab Host organism	Cercopithecus solatus	
Name Ab Host organism	Sun-tailed Monkey	
Url supplier	https://www.abcam.com/p53-antibc	
Target Name	Cellular tumor antigen p53	
Target Gene	TP53	

submit | Submit the edition

Experiment results for the target

If you detect an error in this experimental fields, please delete the Antibody and insert it again on the form.

AB ID	Experiment name	Lab Technician	Protocol Name	Protocol Description	Comments	Date
ab238071	Northern Blot	Marina	Northen blot te	Used for cell tu	Works well.	2019/03/07

→ **Delete**

Can delete antibodies from the database.

CONTACT

Information of us as a team. And it also has the option to send us a message.

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