

Antibody Validation Report

aVR.ALDOB.P05062.AB_11160498.v1.0 (December 22_2020)



A. Basic Target Information

Target Information

UniProt Accession Number: P05062

Target Name: Fructose-bisphosphate aldolase B

Antibody Information

RRID: AB_11160498

Antibody Name: Anti-Aldolase B antibody [5E2AD2]

Host Organism: Mouse

Clonality: Monoclonal

Vendor: AbCam

Catalog Number: ab129728

Lot Number: GR85572-3

Recombinant (Y/N): No

Organ/Tissue used for validation: Kidney

HuBMAP Platform Used: IP-MS

Protocols.io doi for Validation Protocol: 10.17504/protocols.io.bqytmxwn

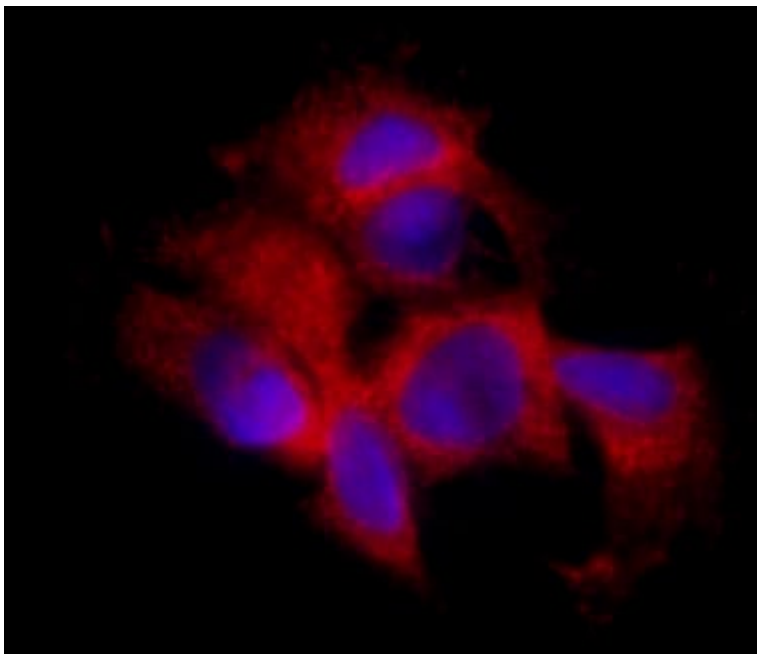
ORCID ID of submitter: 0000-0002-4549-2585

B. Validation Data

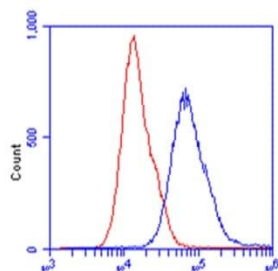
B.1. Vendor Validation: IP, IF, FC

Date Accessed: 12/22/20

URL: <https://www.abcam.com/aldolase-b-antibody-5e2ad2-ab129728.html>



Immunocytochemistry image of ab129728 stained HepG2 cells. The cells were paraformaldehyde fixed (4%, 20 min) and Triton X-100 permeabilized (0.1%, 15 min). The cells were incubated with ab129728 at 5 µg/ml for 2h at room temperature or overnight at 4°C. The secondary antibody was (red) AlexaFluor® 594 goat anti-mouse IgG (H+L) used at 1/1000 dilution for 1h. 1% BSA was used as the blocking agent for all blocking steps. DAPI was used to stain the cell nuclei (blue).

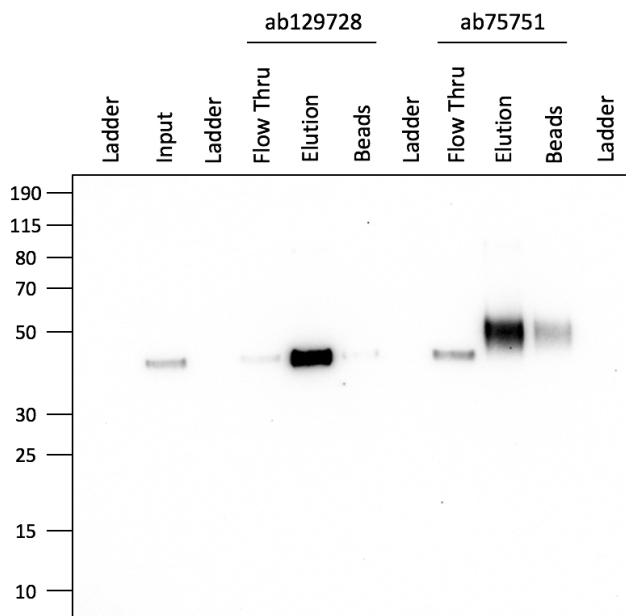


Flow cytometry using ab129728. Hela cells were stained with 5 µg/mL ab129728 antibody (blue) or no primary antibody control (red) and analyzed by flow cytometry.

B.2. Laboratory Validation:

Immunoprecipitation/Western Blot

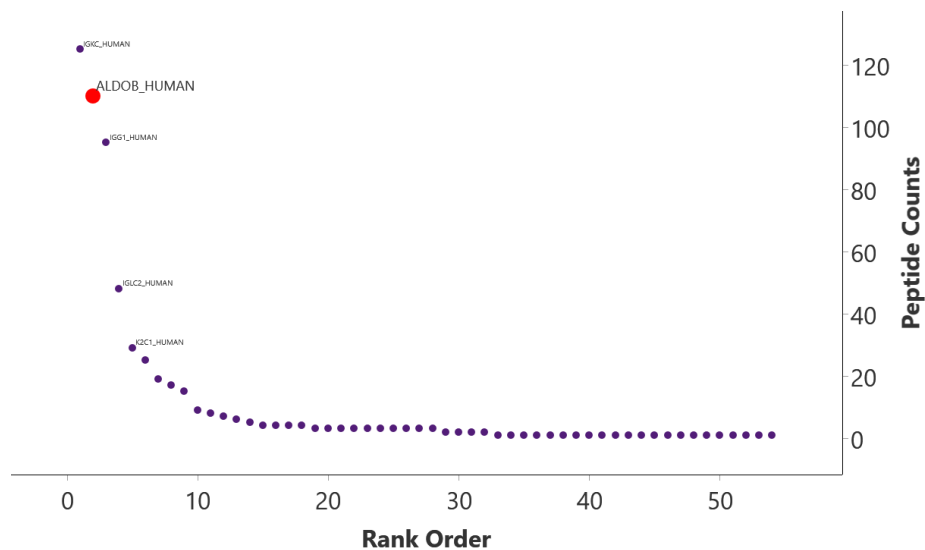
Aldolase B Immunoprecipitation for
Top-Down Mass Spectrometry:
Antibody Screen



Primary: Rb mAB to Aldo B (ab75751) (1:1000)

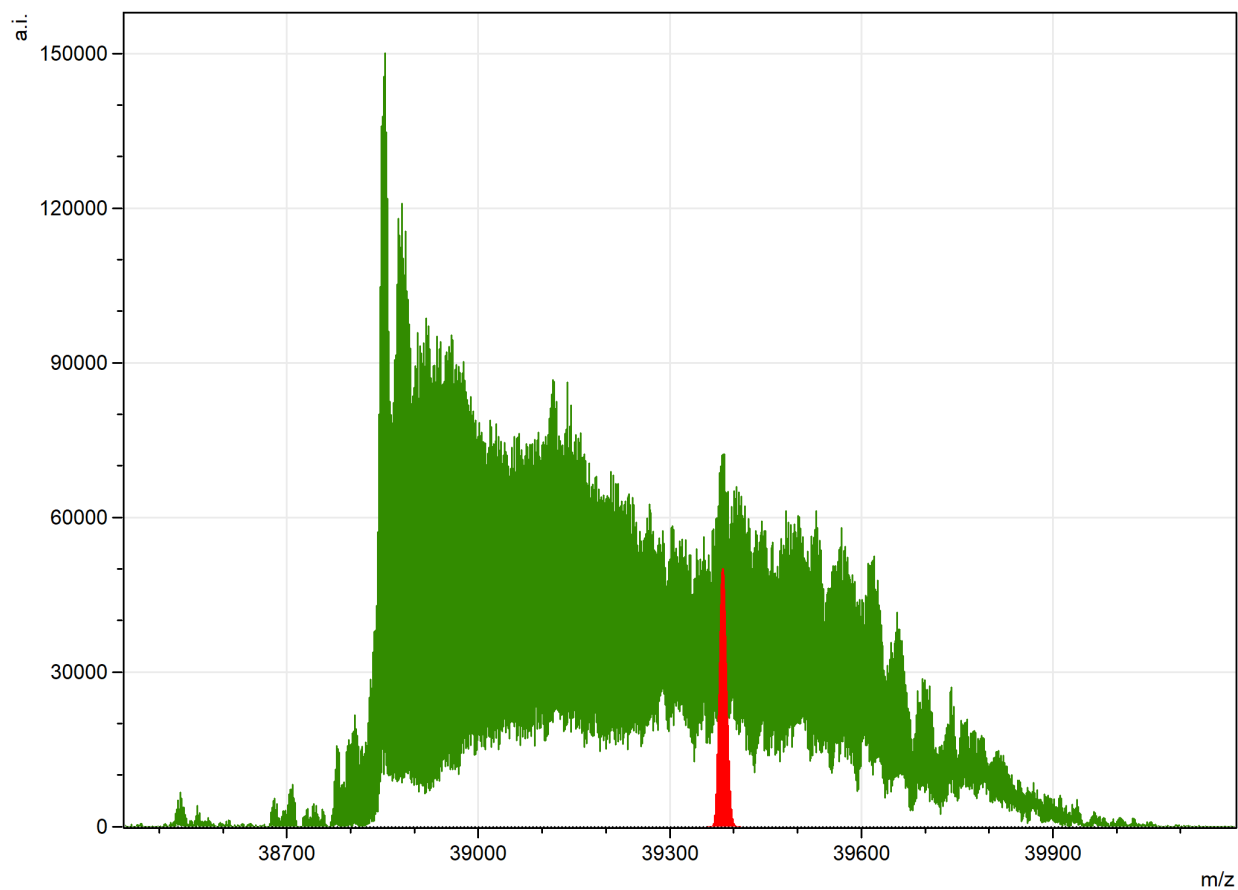
Secondary: Goat anti-Rabbit (1:5000)

Immunoprecipitation/Bottom-Up MS



Immunoprecipitation/Top-Down MS

Intact Mass Profile



Protter (Omasits et al., Bioinformatics. 2013 Nov 21)

