Synthetic SOP - Compliant

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Reviewed by: Scientist B

Approved by: Dr. QA Manager

# Revision History

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| --- | --- | --- |
| Version | Date | Change |
| 1.0 | 2021-11-21 | Initial release |

# Introduction

This protocol describes how to screen commercial antibodies by immunoblot using wildtype (WT) and knockout (KO) cell lysates. Proteins are separated on a polyacrylamide gel and transferred to a nitrocellulose membrane. These membranes are incubated with commercial primary antibodies and then with HRP secondary antibodies. A specific band is detected in the parental cell lysis and should disappear in the KO lysate.

# Purpose

Describe the standard procedure for the activity in scope.

# Scope

Applicable to laboratory staff performing the described process.

# Responsibilities

QA is responsible for review and approval; Authors for drafting; SMEs for review.

# Definitions

WT: Wild Type; KO: Knockout; SOP: Standard Operating Procedure.

# Procedure

1. Prepare materials  
2. Perform steps as per checklist  
3. Record outcomes

# References

ICH Q7; ISO 13485:2016; 21 CFR Part 11

# Approvals

Prepared by: \_\_\_\_\_\_\_\_\_\_ Reviewed by: \_\_\_\_\_\_\_\_\_\_ Approved by: \_\_\_\_\_\_\_\_\_\_