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# Anti-PHO1 Picoband Antibody

**Catalog # ABO10159**

## Specification

### Anti-PHO1 Picoband Antibody - Product Information

| | |
|---|---|
| Application | **WB, E** |
| Primary Accession | A01183-1 |
| Host | **Rabbit** |
| Reactivity | **Human, Mouse** |
| Clonality | **Polyclonal** |
| Format | **Lyophilized** |

**Description**
Rabbit IgG polyclonal antibody for PHO1 detection. Tested with WB, Direct ELISA in Human;Mouse.

**Reconstitution**
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

### Anti-PHO1 Picoband Antibody - Additional Information

**Application Details**
Western blot, 0.1-0.5 µg/ml<br> Direct ELISA, 0.1-0.5 µg/ml<br>

**Subcellular Localization**
Nucleus. Cytoplasm.

**Tissue Specificity**
Expressed in peripheral leukocytes with higher expression in CD14-positive phagocytic cells. Highly expressed in keratinocytes and in periphery blood monocytes. Also detected in non-lymphoid tissues including lung and adipose tissues. Found at high levels in colorectal adenocarcinoma, Burkitt's lymphoma and chronic myelogenous leukemia.

**Contents**
Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**
E. coli-derived human PHO1 recombinant protein (Position: M1-L63).

**Cross Reactivity**
No cross reactivity with other proteins.

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|---|---|
| Storage | **At -20˚C; for one year. After r˚Constitution, at 4˚C; for one month. It˚Can also be aliquotted and stored frozen at -20˚C; for a longer time. Avoid repeated freezing and thawing.** |

### Anti-PHO1 Picoband Antibody - Protein Information

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## Anti-PHO1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-PHO1 Picoband Antibody - Images

## Anti-PHO1 Picoband Antibody - Background

Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A, also known as APOBEC3A, is a gene of the APOBEC3 family found in humans, non-human primates, and some other mammals.This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22.The protein plays a role in immunity, by restricting transmission of foreign DNA such as viruses. One mechanism of foreign DNA restriction is deamination of foreign double-stranded DNA cytidines to uridines, which leads to DNA degradation. However, other mechanisms are also thought to be involved, as anti-viral effect is not dependent on deaminase activity. Two transcript variants encoding different isoforms have been found for this gene.