

# DPEP1 Rabbit mAb

Catalog No.: A28694 **Recombinant**

## Basic Information

### Observed MW

40 kDa(non-glycosylated)/58 kDa(glycosylated)

### Calculated MW

46kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC81849

## Recommended Dilutions

**WB** 1:2000 - 1:15000

**IHC-P** 1:10000 - 1:40000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Contact

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## Background

The protein encoded by this gene is a kidney membrane enzyme involved in the metabolism of glutathione and other similar proteins by dipeptide hydrolysis. The encoded protein is known to regulate leukotriene activity by catalyzing the conversion of leukotriene D4 to leukotriene E4. This protein uses zinc as a cofactor and acts as a disulfide-linked homodimer.

## Immunogen Information

### Gene ID

1800

### Swiss Prot

P16444

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

MDP; RDP; MBD1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

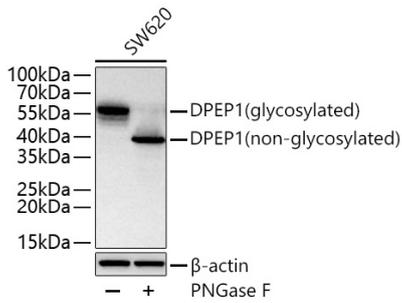
Affinity purification

### Storage

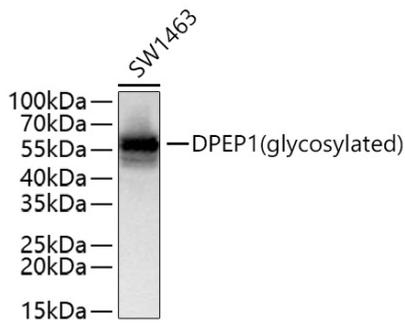
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

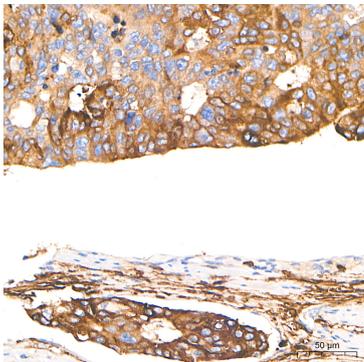
## Validation Data



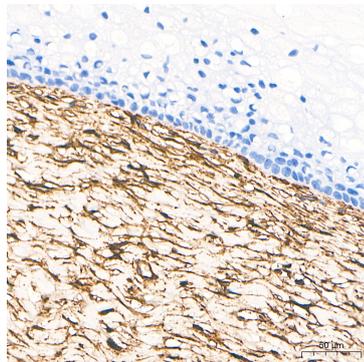
Western blot analysis of lysates from SW620 cells using DPEP1 Rabbit mAb (A28694) at 1:5000 dilution incubated overnight at 4°C. SW620 cells were treated with PNGase F (2 U/ $\mu$ L) at 37°C for 1 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 s.



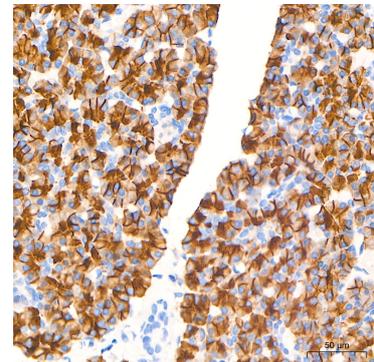
Western blot analysis of lysates from SW1463 cells using DPEP1 Rabbit mAb (A28694) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using DPEP1 Rabbit mAb (A28694) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human cervix tissue using DPEP1 Rabbit mAb (A28694) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using DPEP1 Rabbit mAb (A28694) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.