

# SUMO4 Rabbit pAb

**Catalog No.: A3100**

## Basic Information

**Observed MW**

18kDa

**Calculated MW**

11kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IHC-P

**Cross-Reactivity**

Human, Mouse

## Background

This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin-related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B-dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:2000
<b>IHC-P</b>	1:100 - 1:300

## Immunogen Information

**Gene ID**

387082

**Swiss Prot**

Q6EEV6

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 40-95 of human SUMO4 (Q6EEV6).

**Synonyms**

IDDM5; SMT3H4; SUMO-4; dj281H8.4; SUMO4

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

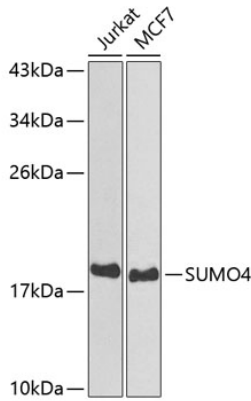
Affinity purification

**Storage**

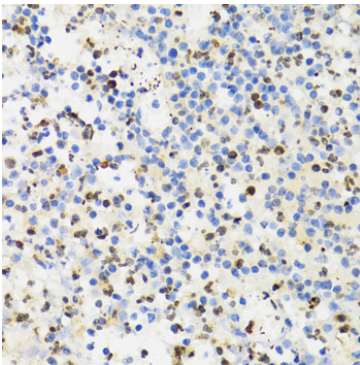
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

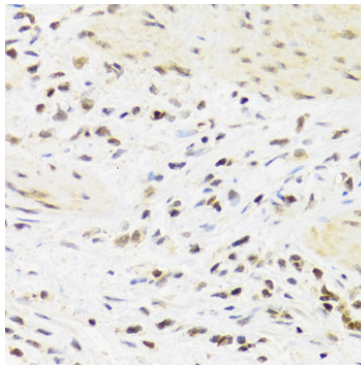
## Validation Data



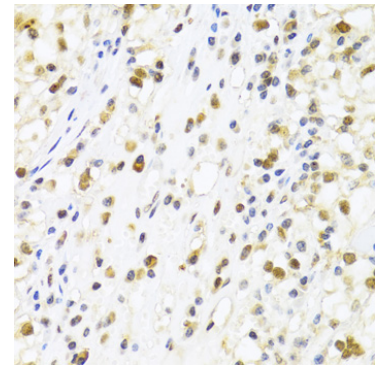
Western blot analysis of various lysates using SUMO4 Rabbit pAb (A3100) at 1:800 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry analysis of paraffin-embedded human appendicitis using SUMO4 Rabbit pAb (A3100) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human breast cancer using SUMO4 Rabbit pAb (A3100) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human kidney cancer using SUMO4 Rabbit pAb (A3100) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.