

# S100G Rabbit pAb

Catalog No.: A10618

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

9kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human

## Background

This gene encodes calbindin D9K, a vitamin D-dependent calcium-binding protein. This cytosolic protein belongs to a family of calcium-binding proteins that includes calmodulin, parvalbumin, troponin C, and S100 protein. In the intestine, the protein is vitamin D-dependent and its expression correlates with calcium transport activity. The protein may increase  $\text{Ca}^{2+}$  absorption by buffering  $\text{Ca}^{2+}$  in the cytoplasm and increase ATP-dependent  $\text{Ca}^{2+}$  transport in duodenal basolateral membrane vesicles.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**ELISA** Recommended starting concentration is 1  $\mu\text{g/mL}$ . Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

795

### Swiss Prot

P29377

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

CABP; CABP1; CALB3; CABP9K; S100G

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at  $-20^{\circ}\text{C}$ . Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.