

# S100A5 Rabbit Polyclonal Antibody



CAB14779

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

11kDa

### Calculated MW:

10kDa/12kDa

### Applications:

WB IHC

### Reactivity:

Human

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC

1:100 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein has a Ca<sup>2+</sup> affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions. This protein also binds Zn<sup>2+</sup> and Cu<sup>2+</sup>, and Cu<sup>2+</sup> strongly which impairs the binding of Ca<sup>2+</sup>. This protein is expressed in very restricted regions of the adult brain.

## Immunogen information

### Gene ID:

6276

### Uniprot

P33763

### Synonyms:

S100A5; S100D

### Immunogen:

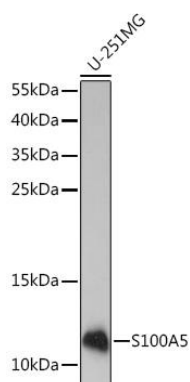
Recombinant fusion protein containing a sequence corresponding to amino acids 1-92 of human S100A5 (NP\_002953.2).

### Storage:

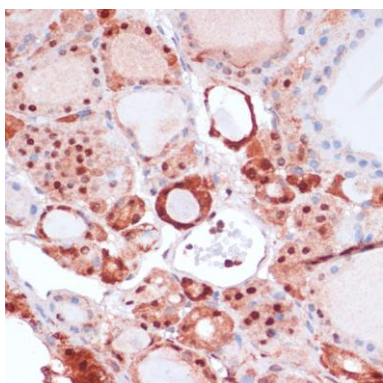
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

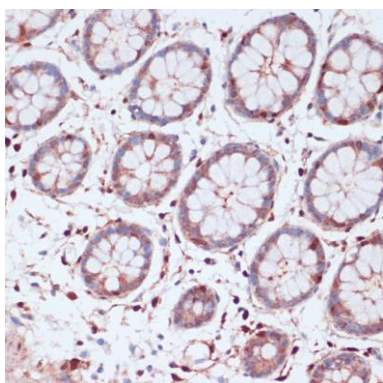
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Western blot analysis of extracts of U-251MG cells, using S100A5 Rabbit pAb (CAB14779) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 3min.



Immunohistochemistry of paraffin-embedded human thyroid cancer using S100A5 antibody (CAB14779) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using S100A5 antibody (CAB14779) at dilution of 1:100 (40x lens).