

# Anti-S100 Calcium Binding Protein A13 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

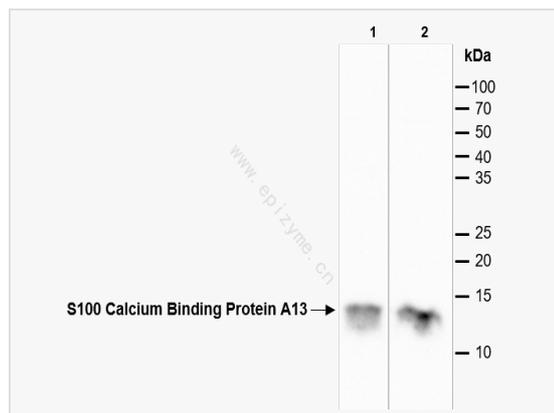
Catalog # R013819

## Product Information

Application	IHC-P/IF (Tissue-P), ELISA, WB
Reactivity	Human
Dilution	WB 1:1,000~1:4,000; IHC-P 1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	75C01L93
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human S100 Calcium Binding Protein A13
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-S100 Calcium Binding Protein A13 Rabbit mAb [75C01L93] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	Protein S100-A13, S10AD_HUMAN, S100A13.
Calculated MW	Calculated MW: 13 kDa; Observed MW: 13 kDa
Uniprot ID	Q99584
Gene ID	6284
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 is widely expressed in various types of tissues with a high expression level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]



Western Blot - Anti-S100 Calcium Binding Protein A13 Rabbit mAb [75C01L93]

All lanes: R013819 at 1:4,000 dilution

Lane 1: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 2: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

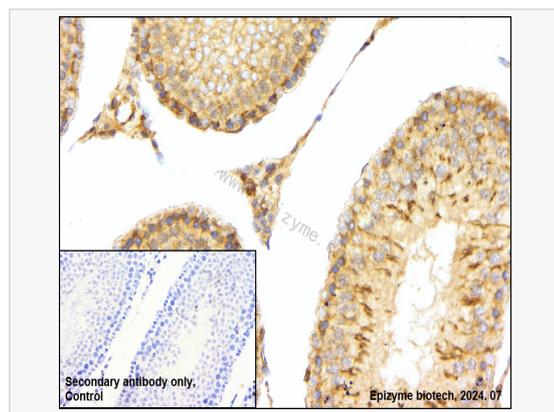
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 13 kDa

Observed band size: 13 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-S100 Calcium Binding Protein A13 Rabbit mAb [75C01L93]

Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013819 at 1:200 dilution

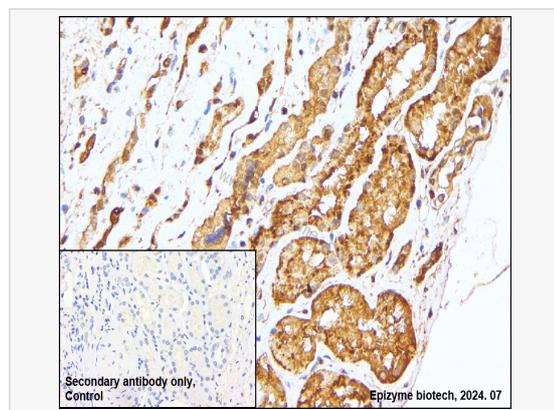
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-S100 Calcium Binding Protein A13 Rabbit mAb [75C01L93]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013819 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.