

A14780

Leader in Biomolecular Solutions for Life Science



S100P Rabbit pAb

Catalog No.: A14780

1 Publications

Basic Information

Observed MW

10kDa

Calculated MW

10kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity

Human

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; however, this gene is located at 4p16. This protein, in addition to binding Ca^{2+} , also binds Zn^{2+} and Mg^{2+} . This protein may play a role in the etiology of prostate cancer.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:100 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5 μg -4 μg antibody for 200 μg -400 μg extracts of whole cells

Immunogen Information

Gene ID	Swiss Prot
6286	P25815

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

MIG9; S100P

Contact



Product Information

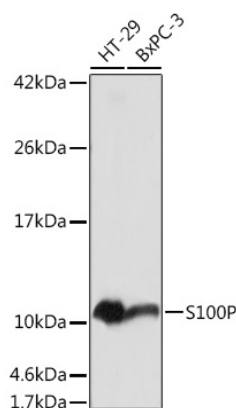
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

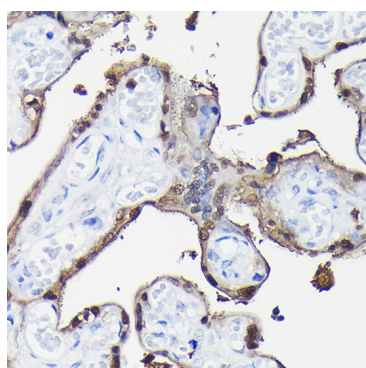
Store at -20°C . Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

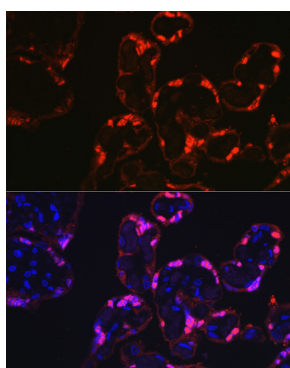
Validation Data



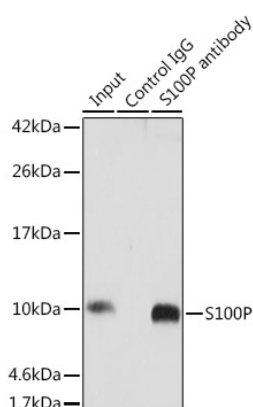
Western blot analysis of various lysates using S100P Rabbit pAb (A14780) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 5s.



Immunohistochemistry analysis of paraffin-embedded Human placenta using S100P Rabbit pAb (A14780) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded human placenta using S100P Rabbit pAb (A14780) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300 µg extracts of HT-29 cells using 3 µg S100P antibody (A14780). Western blot was performed from the immunoprecipitate using S100P antibody (A14780) at a dilution of 1:1000.