

For Research Use Only

S100P Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88256-7-PBS



Basic Information

Catalog Number: 88256-7-PBS	GenBank Accession Number: BC006819	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6286	CloneNo.: 260786F1
Source: Rabbit	UNIPROT ID: P25815	
Isotype: IgG	Full Name: S100 calcium binding protein P	
Immunogen Catalog Number: AG2379	Calculated MW: 95 aa, 11 kDa	
	Observed MW: 11 kDa	

Applications

Tested Applications:
WB, IHC, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

88256-7-PBS targets S100P as part of a matched antibody pair:

MP03518-2: 88256-7-PBS capture and 88256-1-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

S100P protein is a relatively small (95 amino acid) isoform of the S100 protein family that was first isolated from human placenta. Overexpression of S100P has been detected in several cancers such as breast, colon, prostate, pancreatic and lung carcinomas, and the protein has been functionally implicated in carcinogenic processes. S100P protein is widely expressed in both normal and neoplastic tissues. It clearly shows ectopic expression in some cancers. Based on the high expression in certain tumors, S100P could represent a potential target for novel diagnostic and therapeutic applications.

Storage

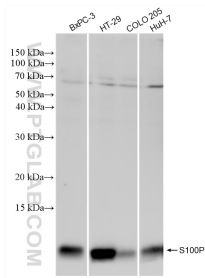
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

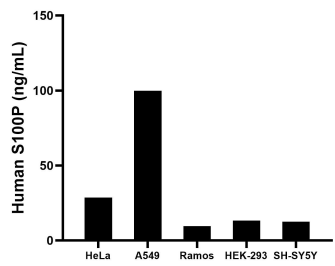
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

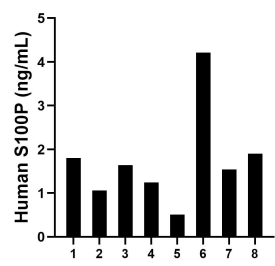
Selected Validation Data



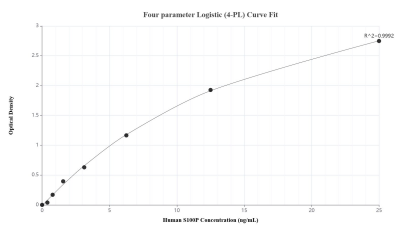
Various lysates were subjected to SDS PAGE followed by western blot with 88256-7-RR (S100P antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88256-7-PBS in a different storage buffer formulation.



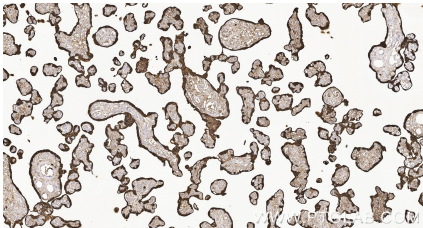
The mean S100P concentration was determined to be 28.55 ng/mL in HeLa cell extract based on a 1.20 mg/mL extract load, 99.89 ng/mL in A549 cell extract based on a 1.20 mg/mL extract load, 9.63 ng/mL in Ramos cell extract based on a 1.20 mg/mL extract load, 13.25 ng/mL in HEK-293 cell extract based on a 1.20 mg/mL extract load and 12.60 ng/mL in SH-SY5Y cell extract based on a 1.20 mg/mL extract load.



Serum of eight individual healthy human donors was measured. The S100P concentration of detected samples was determined to be 1.74 ng/mL with a range of 0.51-4.21 ng/mL.



Sandwich ELISA standard curve of MP03518-2, Human S100P Recombinant Matched Antibody Pair - PBS only. 88256-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag2379. 88256-1-PBS was HRP conjugated as the detection antibody. Range: 0.391-25 ng/mL.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 88256-7-RR (S100P antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88256-7-PBS in a different storage buffer formulation.