

For Research Use Only

# S100A8 Polyclonal antibody

Catalog Number: 15792-1-AP

Featured Product

30 Publications



## Basic Information

**Catalog Number:**

15792-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG8500

**GenBank Accession Number:**

BC005928

**GeneID (NCBI):**

6279

**UNIPROT ID:**

P05109

**Full Name:**

S100 calcium binding protein A8

**Calculated MW:**

93 aa, 11 kDa

**Observed MW:**

11 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:200-1:800

## Applications

**Tested Applications:**

FC, IHC, WB, ELISA

**Cited Applications:**

WB, IF, FC, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, mouse

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : THP-1 cells, A549 cells, COLO 320 cells

IHC : human stomach cancer tissue,

## Background Information

S100A8 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 may function in the inhibition of casein kinase and as a cytokine. S100A8 may form homodimer or heterodimer with S100A9(16216873).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yi-Han Lin	32963032	Mol Cell Proteomics	WB
Li Zhang	32920982	Acta Physiol (Oxf)	WB
Tomomi Morikawa-Ichinose	36100043	Food Chem Toxicol	IF

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

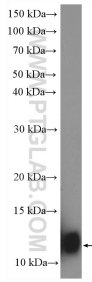
T: 4006900926

E: Proteintech-CN@ptglab.com

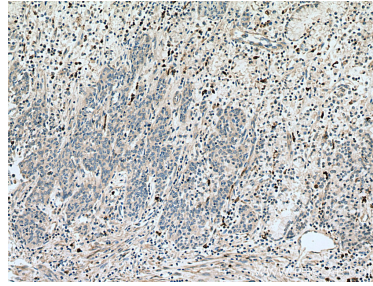
W: ptgcn.com

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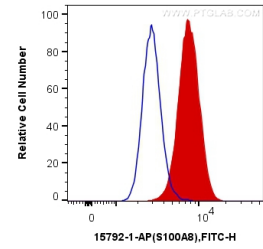
## Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 15792-1-AP (S100A8 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 15792-1-AP (S100A8 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



$1 \times 10^6$  RAW 264.7 cells were intracellularly stained with 0.4 ug Anti-Human S100A8 (15792-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).