



Rabbit Anti-S100A4 antibody

SL3759R

Product Name:	S100A4
Chinese Name:	FSP-1抗体
Alias:	FSP1; FSP-1; FSP 1; 18A2; 42A; calcium Placental protein; Calcium protein; Calvasculin; CAPL; Fibroblast specific protein 1; FSP1; Leukemia multidrug resistance associated protein; Malignant transformation suppression 1; Metastasin; MTS1; Mts1 protein; Murine placental homolog; OTTHUMP00000015467; OTTHUMP00000015468; P9KA; PEL98; Placental calcium binding protein; Placental calcium-binding protein; Protein Mts1; Protein S100 A4; Protein S100-A4; S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog); S100 calcium binding protein A4; S100 calcium-binding protein A4; S100a4; S10A4 HUMAN
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	12kDa
Cellular localization:	The nucleusExtracellular matrix
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human S100A4:15-101/101
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

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 may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

Subunit:

Homodimer. Interacts with PPFIBP1 in a calcium-dependent mode.

Tissue Specificity:

Ubiquitously expressed.

Similarity:

Belongs to the S-100 family.

Contains 2 EF-hand domains.

SWISS:

P26447

Product Detail:**Gene ID:**

6275

Database links:

[Entrez Gene: 282343](#) Cow

[Entrez Gene: 403787](#) Dog

[Entrez Gene: 6275](#) Human

[Entrez Gene: 20198](#) Mouse

[Entrez Gene: 24615](#) Rat

[Omim: 114210](#) Human

[SwissProt: P35466](#) Cow

[SwissProt: Q9TV56](#) Dog

[SwissProt: P26447](#) Human

[SwissProt: P07091](#) Mouse

[SwissProt: P05942](#) Rat

[Unigene: 654444](#) Human

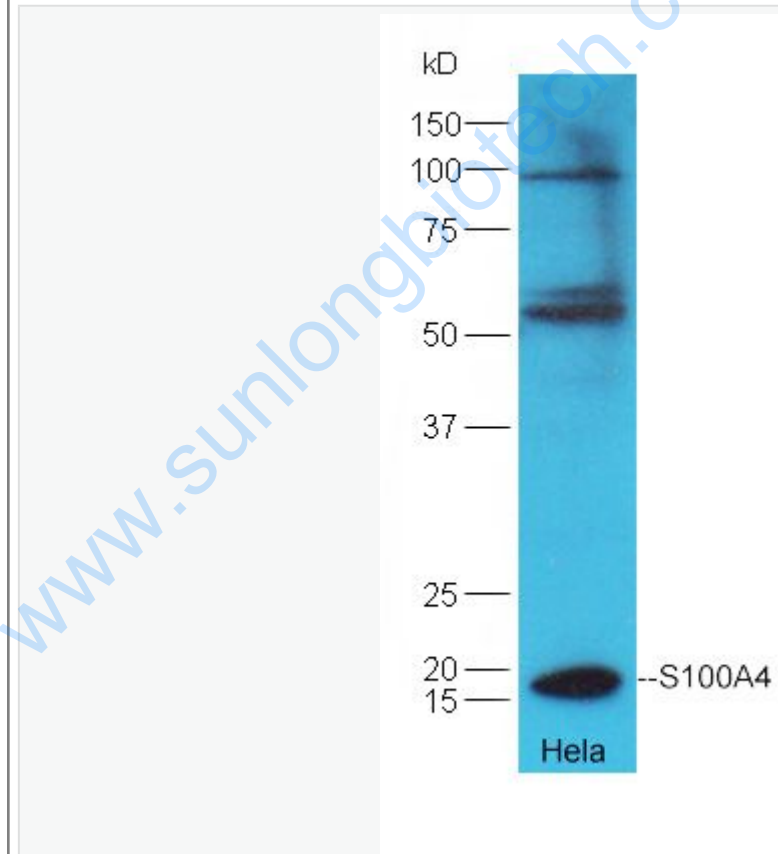
[Unigene: 3925](#) Mouse

[Unigene: 504](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



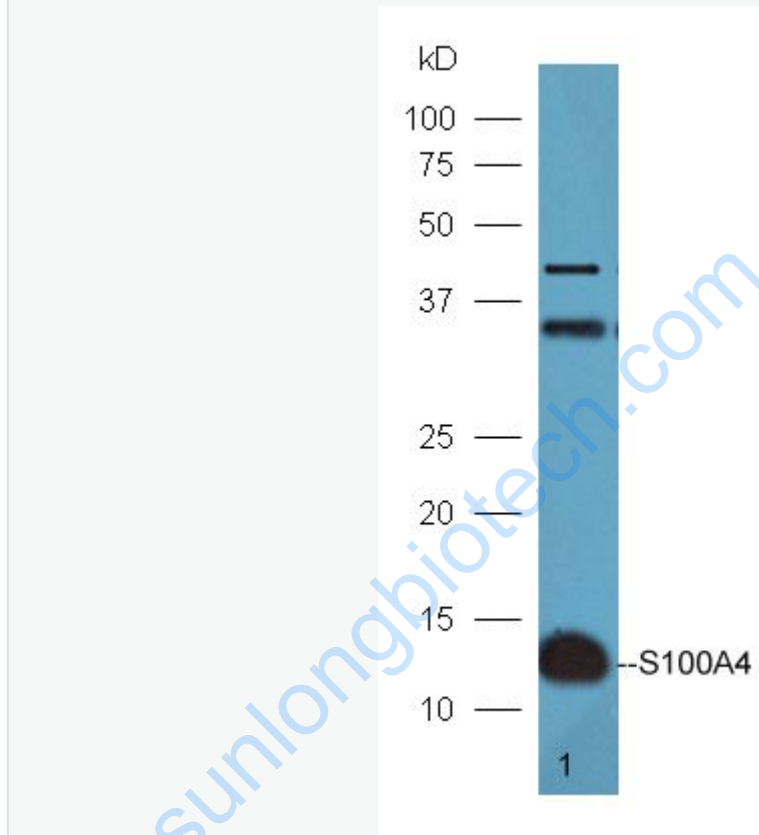
Sample: HeLa Cell lysate at 30ug;

Primary: Anti-S100A4 (SL3759R) at 1:300 dilution;

Secondary: HRP conjugated Goat-Anti-Rabbit IgG(SL3759R) at 1: 5000 dilution;

Predicted band size :12 kD

Observed band size :15 kD



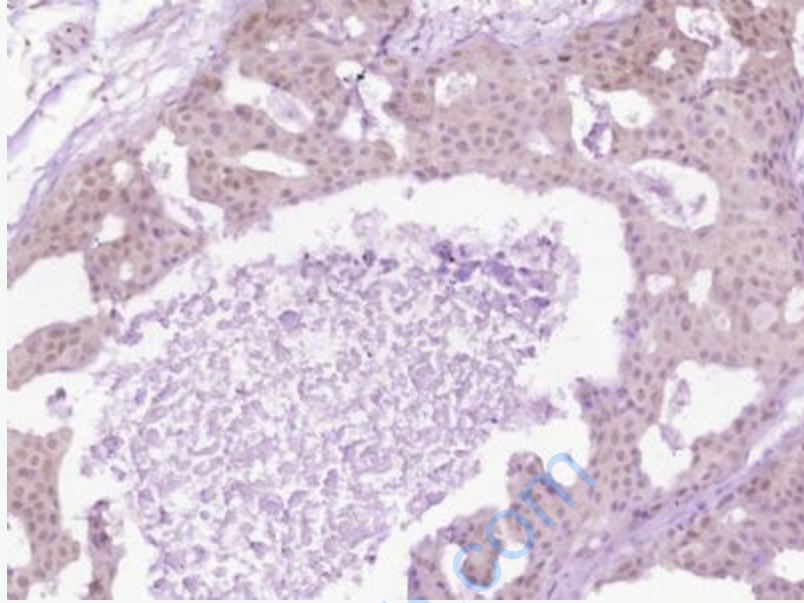
Sample: Raji Cell lysate at 30ug;

Primary: Anti-S100A4 (SL3759R) at 1:300 dilution;

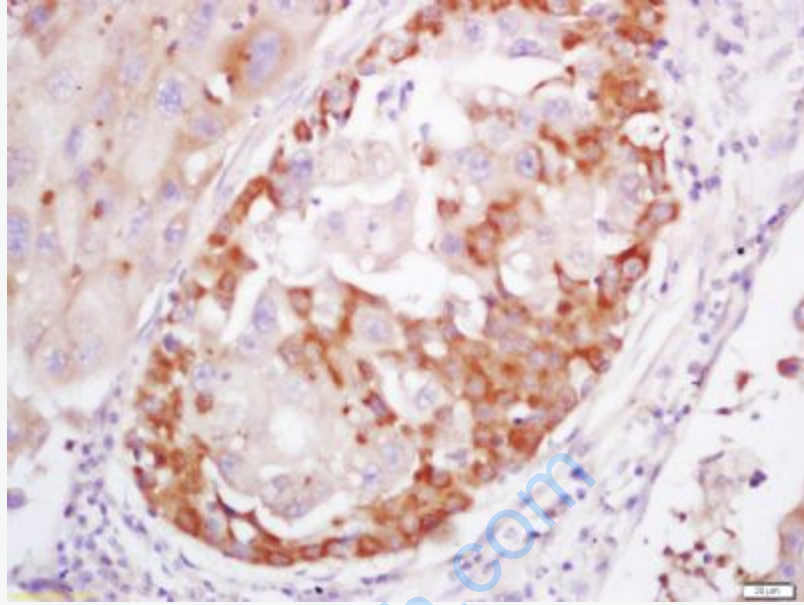
Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G-HRP) at 1: 5000 dilution;

Predicted band size :12 kD

Observed band size : 12 kD



Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (S100A4) Polyclonal Antibody, Unconjugated (SL3759R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human lung cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-S100A4 Polyclonal Antibody, Unconjugated(SL3759R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining