

A19109

Leader in Biomolecular Solutions for Life Science



## FSP1/S100A4 Rabbit mAb

Catalog No.: A19109

Recombinant

10 Publications

### Basic Information

#### Observed MW

12kDa

#### Calculated MW

12kDa

#### Category

SMab Recombinant Monoclonal  
Antibody

#### Applications

WB,IHC-P,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC0475

### Recommended Dilutions

WB 1:1000 - 1:6000

IHC-P 1:2000 - 1:8000

IF/ICC 1:50 - 1:200

ELISA Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

### Contact



[www.abclonal.com](http://www.abclonal.com)

### 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 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.

### Immunogen Information

#### Gene ID

6275

#### Swiss Prot

P26447

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 2-101 of human S100A4 (P26447).

#### Synonyms

42A; 18A2; CAPL; FSP1; MTS1; P9KA; PEL98; FSP1/S100A4

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

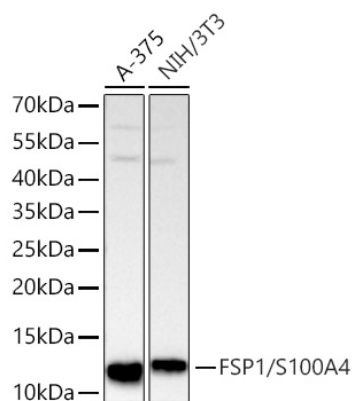
Affinity purification

#### Storage

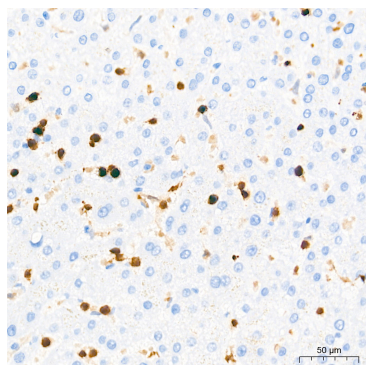
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

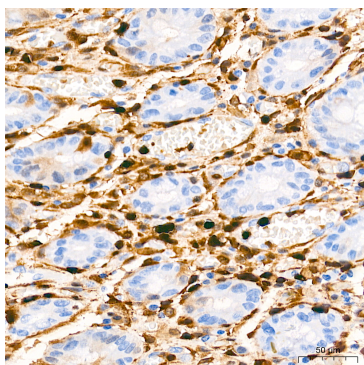
## Validation Data



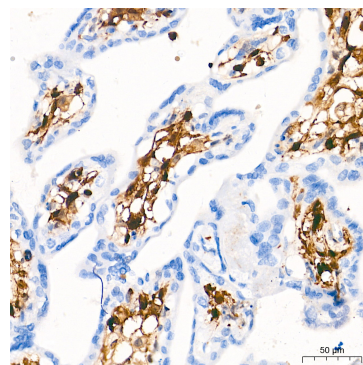
Western blot analysis of various lysates using FSP1/S100A4 Rabbit mAb (A19109) at 1:1000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 20s.



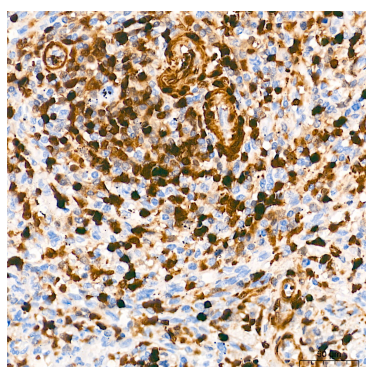
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



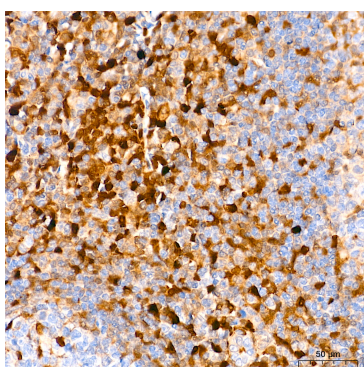
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



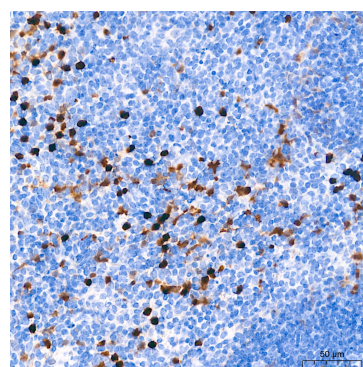
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



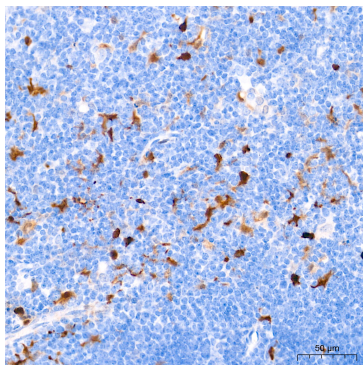
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



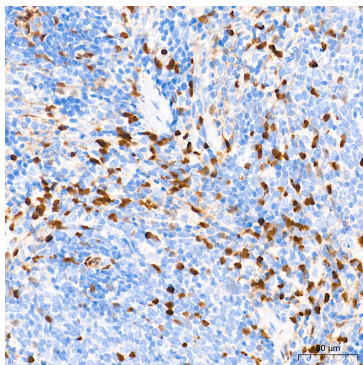
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



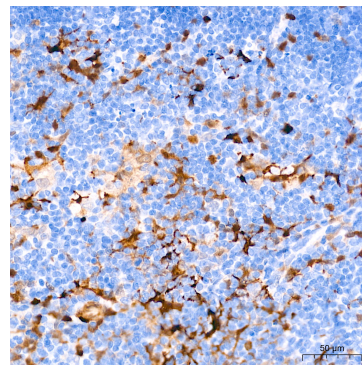
## Validation Data



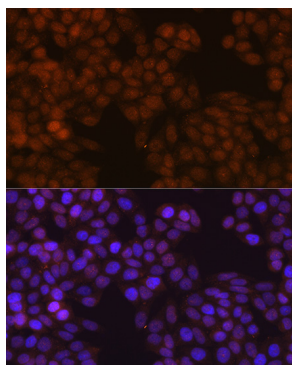
Immunohistochemistry analysis of paraffin-embedded Mouse thymus tissue using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



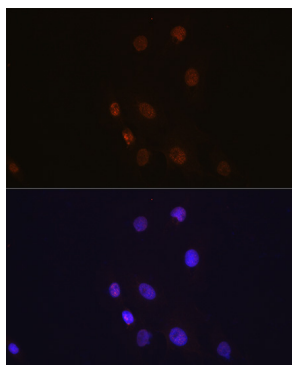
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



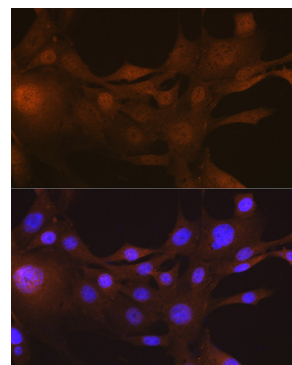
Immunohistochemistry analysis of paraffin-embedded Rat thymus tissue using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



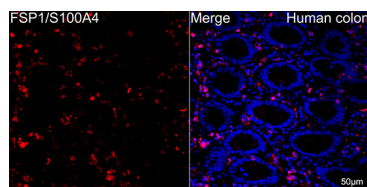
Immunofluorescence analysis of HeLa cells using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



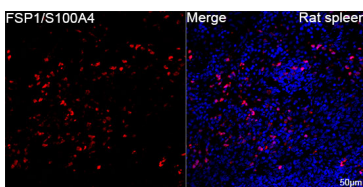
Immunofluorescence analysis of C6 cells using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



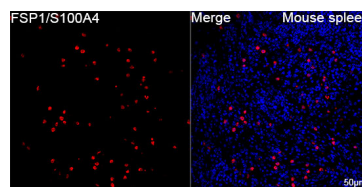
Immunofluorescence analysis of NIH-3T3 cells using FSP1/S100A4 Rabbit mAb (A19109) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Confocal imaging of paraffin-embedded Human colon tissue using FSP1/S100A4 Rabbit mAb (A19109, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,



Confocal imaging of paraffin-embedded Rat spleen tissue using FSP1/S100A4 Rabbit mAb (A19109, dilution 1:300) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500)



Confocal imaging of paraffin-embedded Mouse spleen tissue using FSP1/S100A4 Rabbit mAb (A19109, dilution 1:3.00) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,

Validation Data

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dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

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