



Datasheet for ABIN4949868  
**anti-s100a4 antibody**



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5 Images

Overview

Quantity:	100 µg
Target:	s100a4 (S100A4)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This s100a4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human recombinant S100A4/FSP1 protein was used as the immunogen for this FSP1 antibody.
Clone:	S100A4-1481
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	s100a4 (S100A4)
Alternative Name:	S100A4 / FSP1 ( <a href="#">S100A4 Products</a> )
Background:	S100A4/FSP1 (Fibroblast specific protein 1) belongs to the S100 super-family of proteins containing 2 EF-hand calcium-binding domains. S100 genes include at least 25 members,

## Target Details

including S100A1-S100A18, trichohyalin, filaggrin, repetin, S100P, and S100Z. FSP1 exerts its function via direct interaction with a number of proteins including p53, p63, non-muscle myosin IIA, alpha6beta4 integrin, and liprin b1. FSP1 is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression.

Pathways: [S100 Proteins](#)

## Application Details

Application Notes: The optimal dilution of the FSP1 antibody for each application should be determined by the researcher.\. Western blot: 0.5-1 µg/mL,FACS: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 1-2 µg/mL,Immunohistochemistry (FFPE): 0.25-0.5 µg/mL for 30 min at RT

Restrictions: For Research Use only

## Handling

Concentration: 1 mg/mL

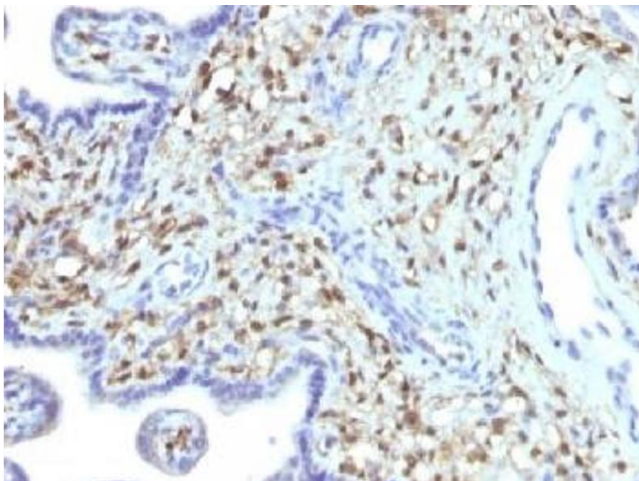
Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

Storage: 4 °C,-20 °C

Storage Comment: Store the FSP1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

## Images



### Immunohistochemistry

**Image 1.** IHC testing of FFPE human placenta with FSP1 antibody (clone S100A4/1481). Required HIER: steam sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling.

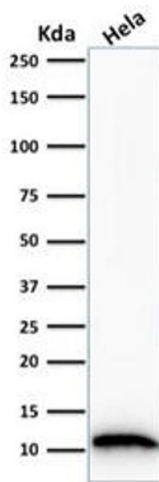
## Human Protein Microarray Specificity Validation



## Microarray

**Image 2.** Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using S100A4 antibody (clone S100A4/1481). These results demonstrate the foremost specificity of the S100A4/1481 mAb.

Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



## Western Blotting

**Image 3.** Western blot testing of human HeLa cell lysate with FSP1 antibody. Predicted molecular weight ~12 kDa.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN4949868.