



Datasheet for ABIN6940544

Recombinant anti-s100a4 antibody (AA 1-200)



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6 Images

Overview

Quantity:	100 µg
Target:	s100a4 (S100A4)
Binding Specificity:	AA 1-200
Reactivity:	Human, Mouse
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This s100a4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa 1-200) of human S100A4 protein (exact sequence is proprietary)
Clone:	RS100A4-1481
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	s100a4 (S100A4)
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Target Details

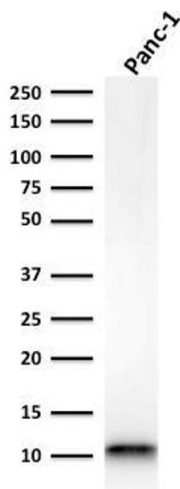
Alternative Name:	S100A4 (S100A4 Products)
Background:	<p>S100A4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium-binding domains. S100 genes include at least 25 members, including S100A1-S100A18, trichohyalin, filaggrin, repetin, S100P, and S100Z. S100A4 exerts its function via direct interaction with a number of proteins including P53, P63, non-muscle myosin IIA, 64 integrin, and liprin b1. S100A4 is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression.</p>
Molecular Weight:	10-12kDa
Gene ID:	6275
UniProt:	P26447
Pathways:	S100 Proteins

Application Details

Application Notes:	<p>Positive Control: HeLa, A549 or A375 cells (IF/FACS). HeLa, A549, T98G or A375 cell lysate (WB). Human placenta tissue (IHC).</p> <p>Known Application: Flow Cytometry (1-2 µg/million cells), Western Blot (1-2 µg/mL), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.</p>
Restrictions:	For Research Use only

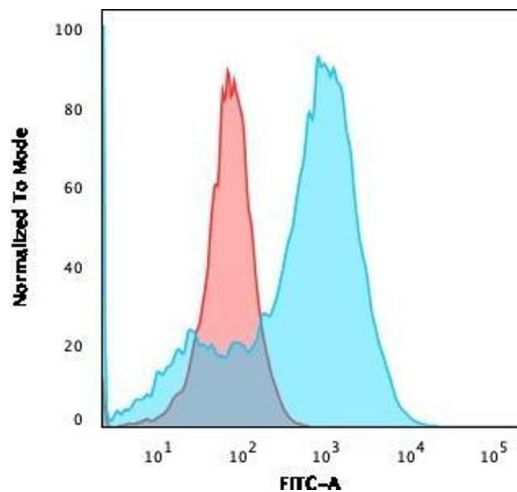
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



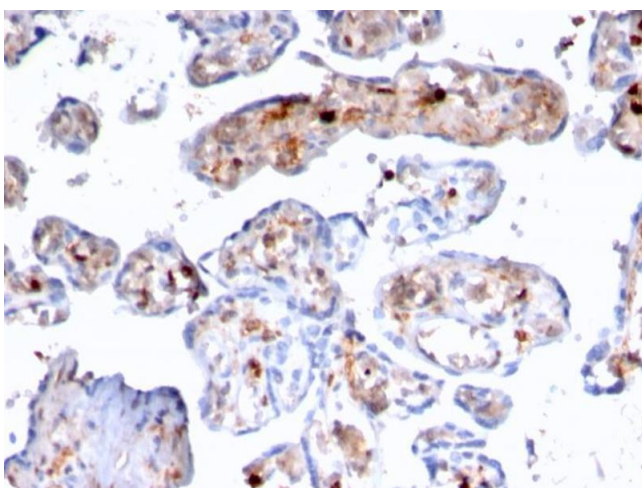
Western Blotting

Image 1. Western Blot Analysis of Panc-1 cell lysate using S100A4 Recombinant Mouse Monoclonal Antibody (rS100A4/1481).



Flow Cytometry

Image 2. Flow Cytometric Analysis of A549 cells using S100A4 Recombinant Mouse Monoclonal Antibody (rS100A4/1481) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Placenta stained with S100A4 Recombinant Mouse Monoclonal Antibody (rS100A4/1481).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6940544.