ARG41966
anti-S100A4 antibody [S100A4/1481]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [S100A4/1481] recognizes S100A4
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	S100A4/1481
Isotype	IgG1, kappa
Target Name	S100A4
Species	Human
Immunogen	Recombinant protein of Human S100A4.
Conjugation	Un-conjugated
Alternate Names	S100 calcium-binding protein A4; Placental calcium-binding protein; 42A; MTS1; FSP1; CAPL; Metastasin; Protein S100-A4; P9KA; 18A2; Protein Mts1; Calvasculin; PEL98

Application Instructions

Application table	Application	Dilution
	FACS	1 - 2 µg/10^6 cells
	ICC/IF	2 - 5 µg/ml
	IHC-P	2 - 5 µg/ml
	WB	1 - 2 µg/ml

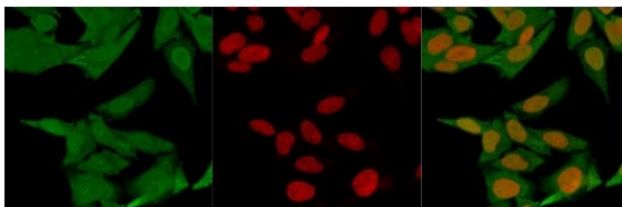|	
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HeLa
Observed Size	~ 12 kDa

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide

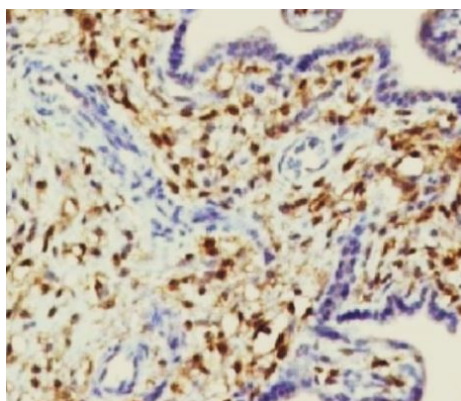|	
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

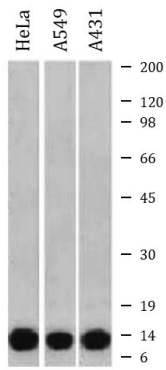|	
Gene Symbol	S100A4
Gene Full Name	S100 calcium binding protein A4
Background	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in 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. [provided by RefSeq, Jul 2008]
Highlight	Related products: S100A4 antibodies; S100A4 Duos / Panels; Anti-Mouse IgG secondary antibodies; Related news: New antibody panels for Myofibroblasts and CAFs
Calculated Mw	12 kDa

Images

ARG41966 anti-S100A4 antibody [S100A4/1481] ICC/IF image

Immunofluorescence: Fixed and permeabilized HeLa cells stained with ARG41966 anti-S100A4 antibody [S100A4/1481] (green). Reddot (red) for nuclear staining.

ARG41966 anti-S100A4 antibody [S100A4/1481] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min followed by cooling. The tissue section was stained with ARG41966 anti-S100A4 antibody [S100A4/1481].
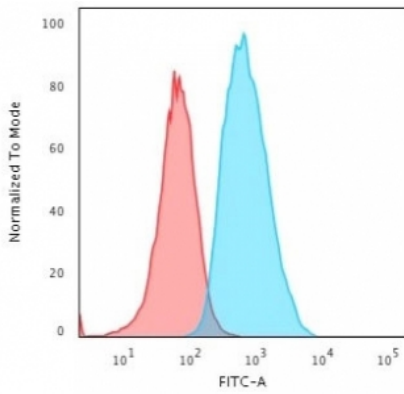
ARG41966 anti-S100A4 antibody [S100A4/1481] WB image

Western blot: HeLa, A549 and A431 cell lysates stained with ARG41966 anti-S100A4 antibody [S100A4/1481].
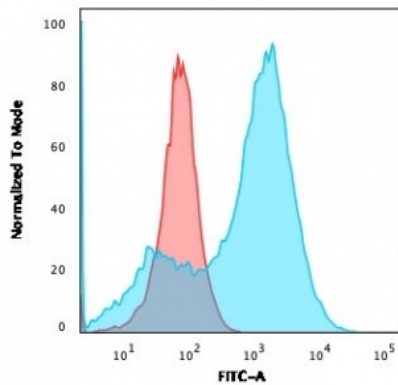

ARG41966 anti-S100A4 antibody [S100A4/1481] WB image

Western blot: HeLa cell lysate stained with ARG41966 anti-S100A4 antibody [S100A4/1481].

ARG41966 anti-S100A4 antibody [S100A4/1481] FACS image

Flow Cytometry: Permeabilized T98G cells stained with ARG41966 anti-S100A4 antibody [S100A4/1481] (blue); Isotype control (red).

ARG41966 anti-S100A4 antibody [S100A4/1481] FACS image

Flow Cytometry: Permeabilized A549 cells stained with ARG41966 anti-S100A4 antibody [S100A4/1481] (blue); Isotype control (red).