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Datasheet for ABIN6940543 anti-s100a4 antibody

5 Images



Overview

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

Product Details

Immunogen:	Recombinant human S100A4 full length protein
Clone:	CPTC-S100A4-3
lsotype:	lgG2c kappa
Purification:	Purified by Protein A/G

Target Details

Target:	s100a4 (S100A4)
Alternative Name:	S100A4 (S100A4 Products)
Background:	S100A4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium-binding domains. S100A4 has been implicated in the progression and prognosis of several forms of
	human cancer, e.g. breast, colorectal, gastric, pancreatic and bladder cancer, SCLC and
	oesophageal squamous cell carcinoma, among others. Poor prognosis associated with high

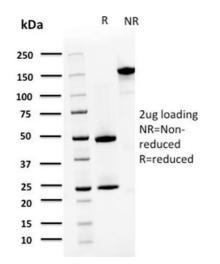
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Target Details

	S100A4 expression is accompanied by clear signs of disease progression, e.g. high histological
	and clinical grades and involvement of lymph nodes.Also indicative of poor prognosis is high
	S100A4 expression coupled with reduced E-cadherin expression in pancreatic, oral squamous
	cell carcinoma and in melanoma. S100A4 expression is inversely related with expression of
	metastasis suppressor nm23 and with prognosis of breast cancer. S100A4 is overexpressed in
	highly metastatic cancers, which makes it useful as a marker of tumor progression.
Molecular Weight:	12kDa
Gene ID:	6275
UniProt:	P26447
Pathways:	S100 Proteins
Application Details	
Application Notes:	Positive Control: T98G, HeLa, A549 or A375 cells. Placenta, small intestine.
	Known Application: Flow Cytometry (1-2 μ g/million cells), Immunofluorescence (1-2 μ g/mL),
	Western Blot (1-2 μ g/mL), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 µg/mL
Buffer:	10 mM PBS with0.05 % 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.
Expiry Date:	24 months

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Images

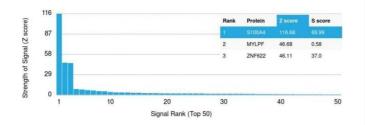


SDS-PAGE

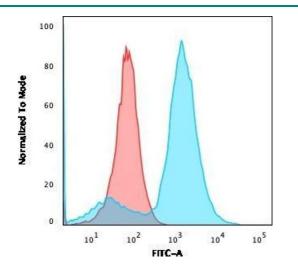
Image 1. SDS-PAGE Analysis Purified S100A4 Mouse Monoclonal Antibody (CPTC-S100A4-3). Confirmation of Purity and Integrity of Antibody

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using S100A4 Mouse Monoclonal Antibody (CPTC-S100A4-3). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Images



Flow Cytometry

Image 3. Flow Cytometric Analysis of A549 cells using S100A4 Mouse Monoclonal Antibody (CPTC-S100A4-3) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the product details page for more images. Overall 5 images are available for ABIN6940543.