



FSP1/S100A4 mouse mAb

Catalog No	YP-mAb-04501
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	S100A4
Immunogen	Recombinant human S100A4 protein.
Specificity	This antibody detects endogenous levels of S100A4 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb dilution 1:500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	S100A4;18A2;42A;calcium Placental protein;Calvasculin;CAPL;Fibroblast specific protein 1;Fibroblast specific protein;FSP1;Leukemia multidrug resistance associated protein;Malignant transformation suppression 1;Metastasin;MTS1;OTTHUMP00000015467;OTTHUMP00000015468;P9KA;PEL98;Placental calcium-binding protein;Protein Mts1;Protein S100 A4;Protein S100-A4;S100 calcium binding protein A4 (calcium protein;murine placental homolog);S100 calcium binding protein A4;S100 calcium-binding protein A4;S10A4_HUMAN.; calvasculin; metastasin; murine placental homolog)
Observed Band	12kD
Calculated Molecular Weight	12kD
Cell Pathway	Secreted . Nucleus . Cytoplasm .
Tissue Specificity	Ubiquitously expressed.
Function	similarity:Belongs to the S-100 family.,similarity:Contains 2 EF-hand domains., subunit:Homodimer. Interacts with PPFIBP1 in a calcium-dependent mode., tissue specificity:Ubiquitously expressed.,



Background

S100 calcium binding protein A4(S100A4) Homo sapiens 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],

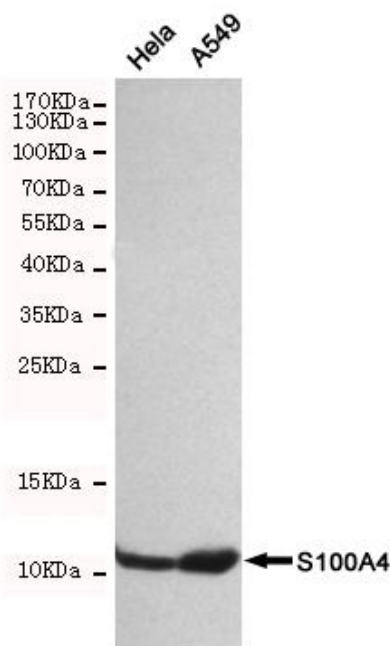
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of S100A4 in HeLa and A549 cell lysates using S100A4 mouse mAb(dilution 1:500). Predicted band size: 12kDa. Observed band size: 12kDa.