



S-100A10 Polyclonal Antibody

Catalog No	YP-Ab-03178
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	S100A10
Immunogen	The antiserum was produced against synthesized peptide derived from human S-100A10. AA range:3-52
Specificity	S-100A10 Polyclonal Antibody detects endogenous levels of S-100A10 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	42C;AA49961;AL24248;Annexin II ligand;calpactin I;light polypeptide;Annexin II tetramer (Allt) p11 subunit;Annexin II;light chain;ANX2L;ANX2LG;Ca[1];CAL12;CAL1L;Calpactin I light chain;p11 subunit;Calpactin-1 light chain;Cellular ligand of annexin II;CLP11;GP11;MGC111133;Nerve growth factor-induced protein 42C;OTTHUMP15269;OTTHUMP1527;p1;p1 protein;p11;Protein S1 A1;Protein S1-A1;S1 calcium binding protein A1 (annexin II ligand;light polypeptide (p11));S1 calcium binding protein A1 (calpactin);S1 calcium binding protein A1;S1 calcium-binding protein A1;S1a1;S1AA_HUMAN;S-100A10;S100A10;Protein S100-A10;S100 calcium-binding protein A10;p10 protein
Observed Band	11kD
Calculated Molecular Weight	11kD
Cell Pathway	integral component of membrane,extrinsic component of plasma membrane, membrane raft,extracellular exosome,
Tissue Specificity	Brain,Keratinocyte,
Function	function:Because S100A10 induces the dimerization of ANXA2/p36, it may function as a regulator of protein phosphorylation in that the ANXA2 monomer is the preferred target (in vitro) of tyrosine-specific kinase.,miscellaneous:Does not



appear to bind calcium. Contains 2 ancestral calcium site related to EF-hand domains that have lost their ability to bind calcium.,similarity:Belongs to the S-100 family.,subunit:Heterotetramer containing 2 light chains of S100A10/p11 and 2 heavy chains of ANXA2/p36. Interacts with SCN10A.,

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 exocytosis and endocytosis. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

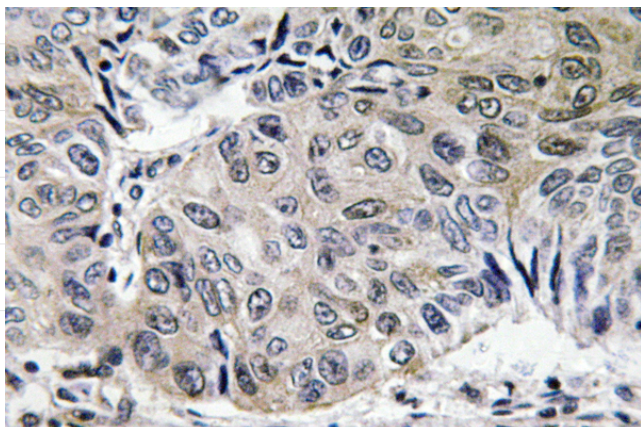
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



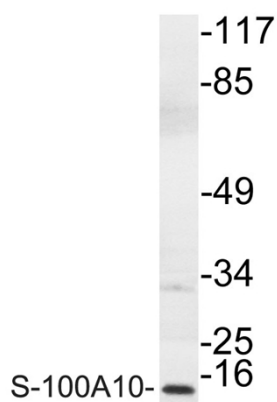
Products Images



Western Blot analysis of various cells using S-100A10 Polyclonal Antibody



Immunohistochemistry analysis of S-100A10 antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from COLO cells, using S-100A10 antibody.