



S-100A3 Polyclonal Antibody

Catalog No	YP-Ab-03180
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	S100A3
Immunogen	The antiserum was produced against synthesized peptide derived from human S100A3. AA range:26-75
Specificity	S-100A3 Polyclonal Antibody detects endogenous levels of S-100A3 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	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	Protein S 1E;Protein S-1E;Protein S1 A3;Protein S1-A3;S1 calcium binding protein A3;S1 calcium-binding protein A3;S1a3;S1E;S1A3_HUMAN;S-100A3;S100A3;Protein S100-A3;S100E;Protein S-100E;S100 calcium-binding protein A3
Observed Band	22kD
Calculated Molecular Weight	22kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Skin specific, specifically expressed at the inner endocuticle of hair fibers.
Function	function: Binds both calcium and zinc. Probably binds 2 zinc ions per molecule. May be involved in calcium-dependent cuticle cell differentiation and hair shaft formation.,similarity: Belongs to the S-100 family.,similarity: Contains 2 EF-hand domains.,subunit: Homodimer.,tissue specificity: Skin specific.,
Background	S100 calcium binding protein A3(S100A3) 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 has the highest content of cysteines of all S100 proteins, has a high affinity for Zinc, and is highly expressed in human hair cuticle. The precise function of this protein is unknown. [provided by RefSeq, Jul 2008],

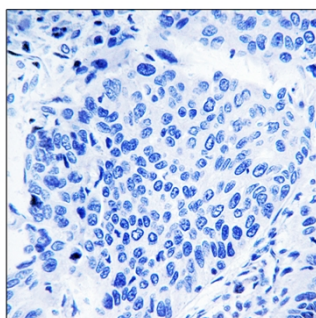
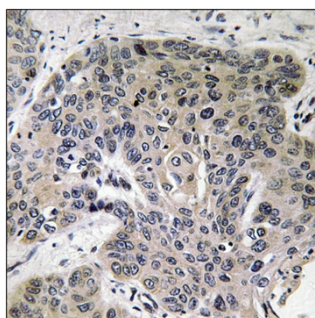
matters needing attention

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



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using S100A3 Antibody. The picture on the right is blocked with the synthesized peptide.