S-100A3 Monoclonal Antibody

Catalog No	YP-mAb-03180
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	S100A3
Protein Name	Protein S100-A3
Immunogen	The antiserum was produced against synthesized peptide derived from human S100A3. AA range:26-75
Specificity	S-100A3 Monoclonal Antibody detects endogenous levels of S-100A3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	S100A3; S100E; Protein S100-A3; Protein S-100E; S100 calcium-binding protein A3
Observed Band	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.

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