

S-100A3 Polyclonal Antibody

Catalog No: YT4200

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: S-100A3

Gene Name: S100A3

Protein Name: Protein S100-A3

P33764

P62818

Human Gene ld: 6274

Human Swiss Prot

No:

Mouse Gene Id: 20197

Mouse Swiss Prot

No:

Rat Gene Id: 114216

Rat Swiss Prot No: P62819

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

Dilution : WB 1:500-2000 IHC 1:100 - 1:300. ELISA: 1:40000. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 12kD

Observed Band: 22kD

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 RefSeg, Jul 2008],

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.,

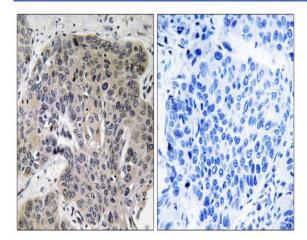
Subcellular

Location:

Cytoplasm.

Expression: Skin specific, specifically expressed at the inner endocuticle of hair fibers.

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.