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**Product Name: S-100A3 Rabbit Polyclonal Antibody****Catalog #: APRab17468**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
<b>Molecular Weight</b>	22kDa

**Antigen Information**

<b>Gene Name</b>	S100A3
<b>Alternative Names</b>	S100A3; S100E; Protein S100-A3; Protein S-100E; S100 calcium-binding protein A3
<b>Gene ID</b>	6274.0
<b>SwissProt ID</b>	P33764
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human S100A3. AA range:26-75

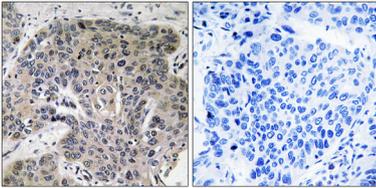
**Background**

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],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.,

## Research Area

## Image Data



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