

## S100A4 Polyclonal Antibody

**catalog number: E-AB-40458**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

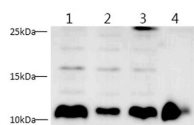
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Human Protein S100-A4 protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications Recommended Dilution

<b>WB</b>	1:500-1000
<b>IHC</b>	1:100-1:400

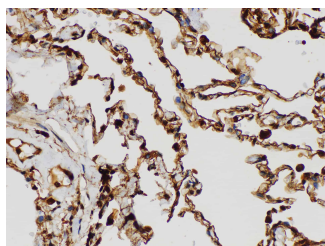
### Data



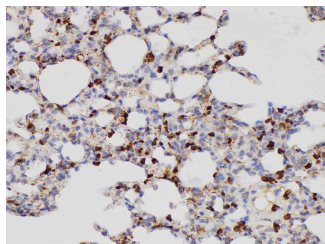
Western blot with S100A4 Polyclonal antibody at dilution of 1:1000. lane 1: A549 whole cell lysate, lane 2: A375 whole cell lysate, lane 3: HeLa whole cell lysate, lane 4: NIH/3T3 whole cell lysate

**Observed-MW: 11 kDa**

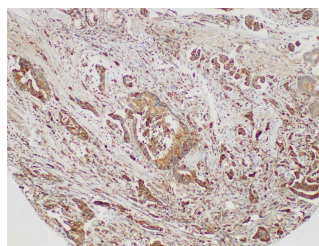
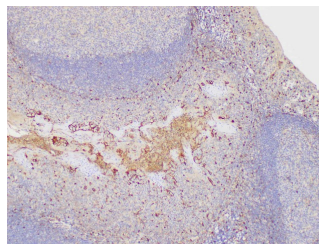
**Calculated-MW: 11 kDa**



Immunohistochemistry of paraffin-embedded Human lung using S100A4 Polyclonal Antibody at dilution of 1:200



Immunohistochemistry of paraffin-embedded Human tonsil using S100A4 Polyclonal Antibody at dilution of 1:200



Immunohistochemistry of paraffin-embedded Human duodenal carcinoma using S100A4 Polyclonal Antibody at dilution of 1:200

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V2.0

Immunohistochemistry of paraffin-embedded Rat lung using  
S100A4 Polyclonal Antibody at dilution of 1:200

## Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

## Background

S100A4 is a member of the S100 family of calcium-binding proteins. The S100 family members have been involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100A4 is known to localize to and function in the nucleus, cytoplasm of cells and the extracellular space. S100A4 has also been shown to be associated with tumor growth, motility, invasion, metastasis, angiogenesis, apoptosis and chemoresistance. It is a fibroblast-specific protein associated with mesenchymal cell morphology and motility, is expressed during epithelial-mesenchymal transformations (EMT) in vivo. It is an improved marker for lung fibroblasts that could be useful for investigating the pathogenesis of pulmonary fibrosis. Overexpression of S100A4 is correlated with a worse prognosis in patients with various types of cancer.