S100A4 Polyclonal Antibody

catalog number: **E-AB-70283**

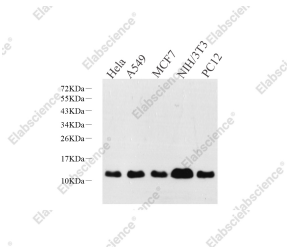
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

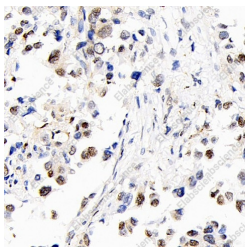
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant protein corresponding to Mouse S100A4
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:300-1:800

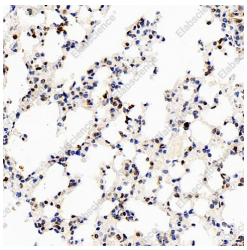
Data



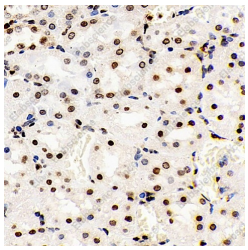
Western Blot analysis of various samples using S100A4 Polyclonal Antibody at dilution of 1:600.
Observed-MW:12 kDa
Calculated-MW:12 kDa



Immunohistochemistry analysis of paraffin-embedded human lung cancer using S100A4 Polyclonal Antibody at dilution of 1:400.



Immunohistochemistry analysis of paraffin-embedded Mouse lung using S100A4 Polyclonal Antibody at dilution of 1:400.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using S100A4 Polyclonal Antibody at dilution of 1:400.

Preparation & Storage

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

Background

Toll-free: 1-888-852-8623
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Web: www.elabscience.com
Email: techsupport@elabscience.com

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 inpatients with various types of cancer.

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