

ACTN4 Polyclonal Antibody

catalog number: E-AB-14759

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

Description

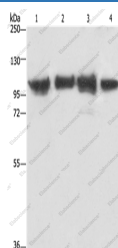
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant protein of human ACTN4
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

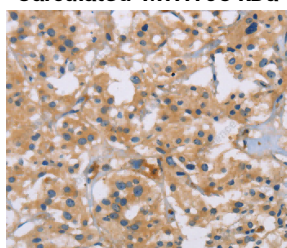
WB	1:500-1:2000
IHC	1:50-1:200

Data

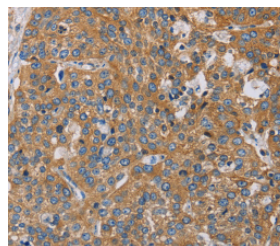


Western Blot analysis of Lovo cell and Mouse kidney tissue, 231 and hepG2 cell using ACTN4 Polyclonal Antibody at dilution of 1:485

Calculated-MW:105 kDa



Immunohistochemistry of paraffin-embedded Human thyroid cancer using ACTN4 Polyclonal Antibody at dilution of 1:60



Immunohistochemistry of paraffin-embedded Human esophagus cancer using ACTN4 Polyclonal Antibody at dilution of 1:60

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

For Research Use Only

Toll-free: 1-888-852-8623
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Rev. V1.9

Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a nonmuscle, alpha actinin isoform which is concentrated in the cytoplasm, and thought to be involved in metastatic processes.