Anti-Phospho-Ezrin (Thr567)/Radixin (Thr564)/Moesin (Thr558) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P109021

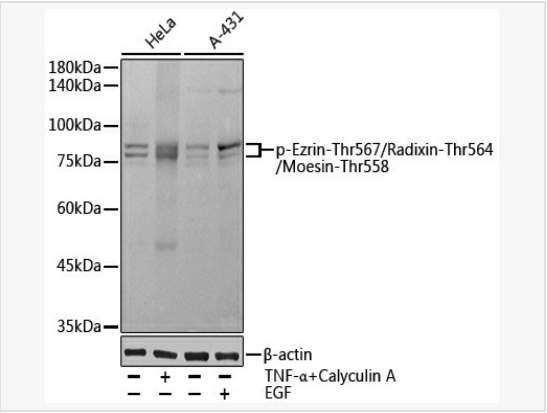
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around T567 of human Ezrin/Radixin/MoesinEZR (NP_003370.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-Ezrin (Thr567)/Radixin (Thr564)/Moesin (Thr558) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CVL; CVIL; VIL2; HEL-S-105; DFNB24; HEL70; IMD50; Phospho-Ezrin-Thr567/Radixin-Thr564/Moesin-Thr558.
Calculated MW	Calculated MW: 69 kDa/68 kDa/67 kDa; Observed MW: 75 kDa/80 kDa
Uniprot ID	P15311, P35241, P26038
Gene ID	7430, 5962, 4478
Background	The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell surface structure adhesion, migration and organization, and it has been implicated in various human cancers. A pseudogene located on chromosome 3 has been identified for this gene. Alternatively spliced variants have also been described for this gene.Radixin is a cytoskeletal protein that may be important in linking actin to the plasma membrane. It is highly similar in sequence to both ezrin and moesin. The radixin gene has been localized by fluorescence in situ hybridization to 11q23. A truncated version representing a pseudogene (RDXP2) was assigned to Xp21.3. Another pseudogene that seemed to lack introns (RDXP1) was mapped to 11p by Southern and PCR analyses. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.Moesin (for membrane-organizing extension spike protein) is a member of the ERM family which includes ezrin and radixin. ERM proteins appear to function as cross-linkers between plasma membranes and actin-based cytoskeletons. Moesin is localized to filopodia and other membranous protrusions that are important for cell-cell recognition and signaling and for cell movement.

Validation Images



Western blot analysis of various lysates using Phospho-Ezrin-Thr567/Radixin-Thr564/Moesin-Thr558 Rabbit pAb (P109021) at 1:1,000 dilution. HeLa cells were treated by TNF-α (20 ng/ml) and Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.A-431 cells were treated by EGF (100 ng/ml) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 10s.