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Polyclonal Antibody to LIMK1/2 pThr508/505 - Aff - Purified

Catalog No.: AP01628PU-N

Quantity: 0.1 mg

Concentration: 1.0 mg/ml

Background: Proteins containing LIM motifs are typically involved in cell fate determination and growth control. A family of proteins designated LIM kinases, including LIMK-1 and LIMK-2, has been identified. LIMK-1 has been shown to regulate the stabilization of F-Actin structures and cofilin activity, indicating that LIMK-1 plays a role in a signaling pathway involved in the regulation of cell motility and morphogenesis. LIMK-1 inhibits neuronal differentiation of PC12 cells, and is thought to act by interfering with events downstream of MAPK activation. Expression patterns of LIMK-1 and LIMK-2 suggest that these proteins may have different functions during development. A truncated form of LIMK-2 has been identified in adult testis that is thought to arise from an alternative initiation exon.

Host: Rabbit

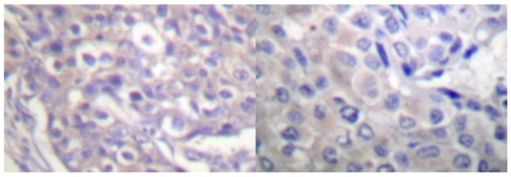
Format: **State:** Liquid purified Ig fraction (› 95% pure by SDS-PAGE).
Purification: Affinity Chromatography using epitope-specific immunogen.
Buffer System: Phosphate buffered saline (PBS), pH~7.2 containing 15 mM Sodium Azide as preservative.

Applications: ELISA: 1/10000-1/20000.
Western Blot: 1/500-1/1000.
Immunohistochemistry: 1/50-1/200.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects endogenous levels of LIMK1/2 pThr508/505
Species: Human, Mouse and Rat.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: One year from despatch.

Pictures: Immunohistochemistry (IHC) analysis of LIMK1/2 pThr508/505 antibody in paraffin-embedded human breast carcinoma tissue.



Western blot (WB) analysis of LIMK1/2 pThr508/505 antibody in extracts from HeLa cells.