

## Product datasheet for **AP06211PU-N**

### LIM kinase 2 (LIMK2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 480-520 of Human LIMK2.
Specificity:	This antibody detects endogenous levels of LIMK2 protein. (region surrounding Asp499)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 72 kDa
Gene Name:	LIM domain kinase 2
Database Link:	<a href="#">Entrez Gene 3985 Human P53671</a>



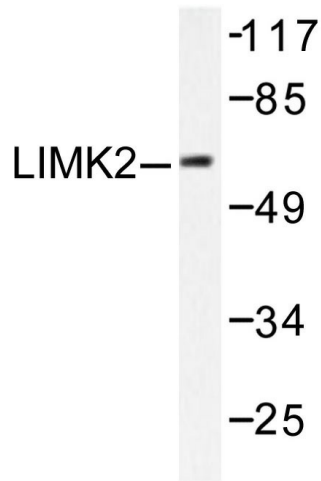
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**Background:**

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 morpho-genesis. LIMK-1 inhibits neuronal differentiation of PC12 cells, and it 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.

**Synonyms:**

LIMK2, LIM domain kinase 2, LIMK-2, EC=2.7.11.1

**Product images:**

Western blot (WB) analysis of LIMK2 antibody in extracts from NIH/3T3 treated with UV.