

Goat anti-LIMK2 (aa181-193) Antibody
Peptide-affinity purified goat antibody
Catalog # AF4448a

Specification

Goat anti-LIMK2 (aa181-193) Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	P53671
Other Accession	NP_001026971.1 , NP_005560.1 , NP_057952.1
Reactivity	Human, Mouse, Rat, Pig
Host	Goat
Clonality	Polyclonal
Calculated MW	72232

Goat anti-LIMK2 (aa181-193) Antibody - Additional Information

Gene ID 3985

Other Names

LIMK2; LIM domain kinase 2

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

This antibody is expected to recognize all reported isoforms (NP_001026971.1; NP_005560.1; NP_057952.1).

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-LIMK2 (aa181-193) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-LIMK2 (aa181-193) Antibody - Protein Information

Name LIMK2

Function

Serine/threonine-protein kinase that plays an essential role in the regulation of actin filament dynamics (PubMed: [10436159](http://www.uniprot.org/citations/10436159), PubMed: [11018042](http://www.uniprot.org/citations/11018042)). Acts downstream of several Rho family GTPase signal transduction pathways (PubMed: [10436159](http://www.uniprot.org/citations/10436159))

target="_blank">10436159, PubMed:11018042). Involved in astral microtubule organization and mitotic spindle orientation during early stages of mitosis by mediating phosphorylation of TPPP (PubMed:22328514). Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in vitro (PubMed:8537403). Suppresses ciliogenesis via multiple pathways; phosphorylation of CFL1, suppression of directional trafficking of ciliary vesicles to the ciliary base, and by facilitating YAP1 nuclear localization where it acts as a transcriptional corepressor of the TEAD4 target genes AURKA and PLK1 (PubMed:25849865).

Cellular Location

Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome [Isoform LIMK2b]: Cytoplasm. Cytoplasm, perinuclear region. Nucleus Note=Mainly present in the cytoplasm and is scarcely translocated to the nucleus.

Goat anti-LIMK2 (aa181-193) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat anti-LIMK2 (aa181-193) Antibody - Images