

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

## Specification

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

Application	WB, Pep-ELISA
Primary Accession	<a href="#">P53671</a>
Other Accession	<a href="#">NP_001026971.1</a> , <a href="#">NP_005560.1</a> , <a href="#">NP_057952.1</a>
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</a>, PubMed:<a href="http://www.uniprot.org/citations/11018042" target="\_blank">11018042</a>). Involved in astral microtubule organization and mitotic spindle orientation during early stages of mitosis by mediating phosphorylation of TPPP (PubMed:<a href="http://www.uniprot.org/citations/22328514" target="\_blank">22328514</a>). Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in vitro (PubMed:<a href="http://www.uniprot.org/citations/8537403" target="\_blank">8537403</a>). 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:<a href="http://www.uniprot.org/citations/25849865" target="\_blank">25849865</a>).

#### 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