

**LIMK2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20356b****Specification**

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**LIMK2 Antibody (C-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">P53671</a>
Other Accession	<a href="#">Q32L23</a>
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	72232
Antigen Region	570-599

**LIMK2 Antibody (C-term) - Additional Information****Gene ID** 3985**Other Names**

LIM domain kinase 2, LIMK-2, LIMK2

**Target/Specificity**

This LIMK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 570-599 amino acids from the C-terminal region of human LIMK2.

**Dilution**

IHC-P~~1:25

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

LIMK2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**LIMK2 Antibody (C-term) - Protein Information****Name** LIMK2

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

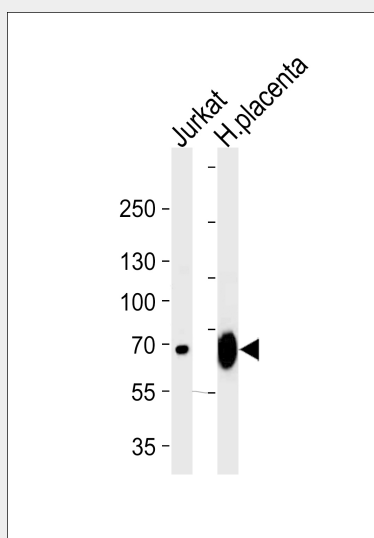
Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome [Isoform LIMK2b]: Cytoplasm. Cytoplasm, perinuclear region. Nucleus Note=Mainly present in the cytoplasm and is scarcely translocated to the nucleus.

#### LIMK2 Antibody (C-term) - Protocols

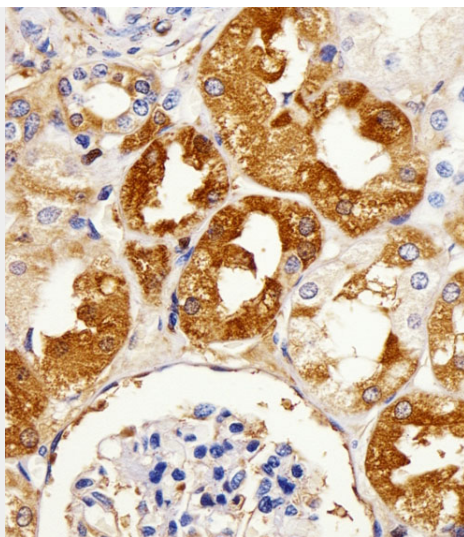
Provided below are standard protocols that you may find useful for product applications.

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

#### LIMK2 Antibody (C-term) - Images



Western blot analysis of lysates from Jurkat cell line and human placenta tissue lysate (from left to right), using LIMK2 Antibody (C-term) (Cat. #AP20356b). AP20356b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



Immunohistochemical analysis of paraffin-embedded H.kidney section using LIMK2 Antibody (C-term)(Cat#AP20356b). AP20356b was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

#### **LIMK2 Antibody (C-term) - Background**

Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in vitro.