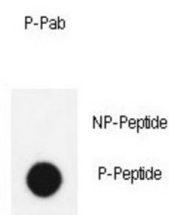


## LIMK1 (pT508) Antibody

Catalogue No.: abx032100



Dot Blot

There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. LIMK1 is likely to be a component of an intracellular signaling pathway and may be involved in brain development. LIMK1 hemizygosity is implicated in the impaired visuospatial constructive cognition of Williams syndrome. [provided by RefSeq].

|                               |                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Target:</b>                | LIMK1 (pT508)                                                                                                   |
| <b>Clonality:</b>             | Polyclonal                                                                                                      |
| <b>Target Modification:</b>   | Thr508                                                                                                          |
| <b>Modification:</b>          | Phosphorylation                                                                                                 |
| <b>Reactivity:</b>            | Human                                                                                                           |
| <b>Tested Applications:</b>   | ELISA, DB                                                                                                       |
| <b>Host:</b>                  | Rabbit                                                                                                          |
| <b>Recommended dilutions:</b> | DB: 1/500. Optimal dilutions/concentrations should be determined by the end user.                               |
| <b>Conjugation:</b>           | Unconjugated                                                                                                    |
| <b>Immunogen:</b>             | KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Thr508 of human LIMK1. |
| <b>Isotype:</b>               | IgG                                                                                                             |
| <b>Form:</b>                  | Liquid                                                                                                          |
| <b>Purification:</b>          | Purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.        |

# Datasheet

Version: 2.0.0  
Revision date: 03 Nov 2025



**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** P53667 ([UniProt](#), [ExPASy](#))

**KEGG:** hsa:3984

**String:** [9606.ENSP00000336740](#)

**Molecular Weight:** Calculated MW: 72.6 kDa

**Buffer:** PBS containing 0.09% sodium azide.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only