

# Product Datasheet

## LIM Kinase 1 [p Thr508] Antibody NB100-82021

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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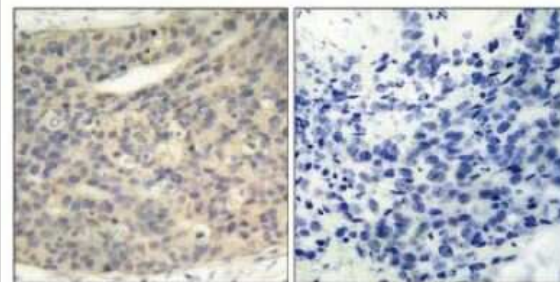
**NB100-82021****LIM Kinase 1 [p Thr508] Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS, 50% glycerol, 0.5% BSA
<b>Target Molecular Weight</b>	72 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	3984
<b>Gene Symbol</b>	LIMK1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 25721396)
<b>Specificity/Sensitivity</b>	Detects endogenous levels of LIM Kinase 1 only when phosphorylated at threonine 508.
<b>Immunogen</b>	The antiserum was produced against synthesized phosphopeptide derived from human LIM Kinase 1 around the phosphorylation site of threonine 508 (R-Y-TP-V-V).
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Immunohistochemistry 1:100-1:300, Immunohistochemistry-Paraffin 1:50-1:100



## Images

Immunohistochemistry-Paraffin: LIM Kinase 1 [p Thr508] Antibody [NB100-82021] - Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue, using NB100-82021 (left). The picture on the right is blocked with the phospho-peptide.

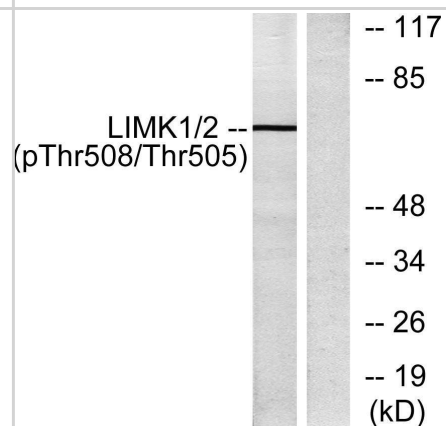


P-Peptide

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Western Blot: LIM Kinase 1 [p Thr508] Antibody [NB100-82021] - Western blot analysis of lysates from COLO205 cells, using NB100-82021. The lane on the right is blocked with the phospho peptide.



## Publications

Gupta SC, Yadav R, Pavuluri R et al. Essential role of GluD1 in dendritic spine development and GluN2B to GluN2A NMDAR subunit switch in the cortex and hippocampus reveals ability of GluN2B inhibition in correcting hyperconnectivity Neuropharmacology. 2015-02-24 [PMID: 25721396] (WB, Mouse)



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### **Products Related to NB100-82021**

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NBL1-12536	LIM Kinase 1 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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