

Datasheet for ABIN5006183
**anti-LIM Domain Kinase 1/2 (LIMK1/2) (pThr505) antibody
(Alexa Fluor 680)**



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Overview

Quantity:	100 µL
Target:	LIM Domain Kinase 1/2 (LIMK1/2)
Binding Specificity:	pThr505
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human LIMK1 and LIMK2 around the phosphorylation site of Thr508 and Thr505
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	LIM Domain Kinase 1/2 (LIMK1/2)
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Target Details

Alternative Name:	LIMK1LIMK2 (LIMK1/2 Products)
Background:	<p>Synonyms: LIMK1Thr508, EC 2.7.11.1, LIM domain kinase 1, LIM mot-containing protein kinase, LIMK, LIMK-1, LIMK2, LIMK-2, LIM domain kinase 2, LIMK1_HUMAN.</p> <p>Background: LIMK1 is a protein kinase which regulates actin filament dynamics. Phosphorylates and inactivates the actin binding/depolymerizing factor cofilin, thereby stabilizing the actin cytoskeleton. LIMK1 may be involved in brain development, it is highly expressed in both adult and fetal nervous system. Detected ubiquitously throughout the different regions of adult brain, with highest levels in the cerebral cortex. Expressed to a lesser extent in heart and skeletal muscle.</p>
Gene ID:	3984

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months