LIM Kinase 1 Rabbit pAb

db2515 **Package : 20μL 50μL 100μL**

Product Name : LIM Kinase 1 Rabbit pAb
Cat.No.: db2515
Synonyms : LIMK; LIMK-1
Application : WB
Reactivity : Human, Mouse
Host species : Rabbit

Background	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 a serine/threonine kinase that regulates actin polymerization via phosphorylation and inactivation of the actin binding factor cofilin. This protein is ubiquitously expressed during development and plays a role in many cellular processes associated with cytoskeletal structure. This protein also stimulates axon growth and may play a role in brain development. LIMK1 hemizygosity is implicated in the impaired visuospatial constructive cognition of Williams syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Feb 2011]
Immunogen	A synthetic peptide of human LIM Kinase 1
Gene ID	3984
Swiss Prot	P53667
Synonyms	LIMK; LIMK-1
Reactivity	Human, Mouse
Application	WB
Recommended dilution	WB: 1:1000-1:5000
Calculated MW	73 kDa
Observed MW	73 kDa
Host species	Rabbit
Clonality	Polyclonal

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.