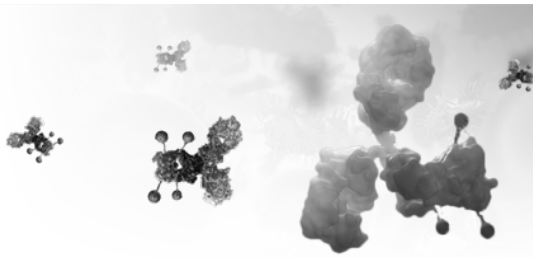

Rabbit Anti-Human LIMK2 monoclonal antibody, clone U.867.2 (CABT-L1449)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is not cross-reactive with LIMK1.
Target	LIMK2
Immunogen	Synthetic peptide corresponding to carboxy-terminal residues of human LIMK2
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Non-human primate
Clone	U.867.2
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	FC, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

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Introduction	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. The protein encoded by this gene is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is thought that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene.
Keywords	LIMK2;LIM domain kinase 2

GENE INFORMATION

Entrez Gene ID	3985
UniProt ID	P53671

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