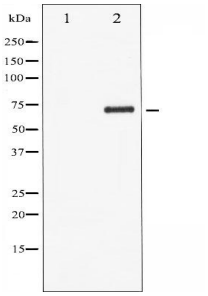
LIMK1(Phospho-Thr508) Antibody

#14204

Catalog Number: 14204-1, 14204-2
Amount: 50μg/50μl, 100μg/100μl
Swiss-Prot No. :P53667
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20℃/1 year
Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human LIMK1 around the phosphorylation site of Threonine 508
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity/Sensitivity:LIMK1(Phospho-Thr508)Antibody detects endogenous levels of LIMK1 only when phosphorylated at Threonine 508
Reactivity: Human,Mouse,Rat
Applications:
Predicted MW: 70kd WB:1:500~1:2000 IHC:1:50-200



Western blot analysis of LIMK1 phosphorylation expression in COLO205 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

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 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. Two splice variant have been identified.