LST8 rabbit pAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A17167	Rabbit	1 mg/ml	

Applications	WB,ELISA
Reactivity	Human,Rat,Mouse
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Storage	-20°C/1 year
Specificity	LST8 Polyclonal Antibody detects endogenous levels of protein.
Source / Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Immunogen	Synthesized peptide derived from human protein . at AA range: 100-180
Uniprot No	Q9BVC4
Alternative names	
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Clonality	Polyclonal
Isotype	IgG
Conjugation	
Background	function:Unessential component of the TORC1 complex and essential component of the TORC2 complex. TORC1 controls cell growth in response to environmental signals, and is inactivated by nutrient limitation and environmental stress. Within TORC1, LST8 interacts directly with FRAP1 and enhances its kinase activity. In nutrient-poor conditions, stabilizes the FRAP1-RAPTOR interaction and favors RAPTOR-mediated inhibition of FRAP1 activity. TORC2 controls polarity of the actin cytoskeleton via the RAC1 pathway. TORC2 mediates phosphorylation of Akt/PKB on 'Ser-473' and phosphorylation of PKCalpha on 'Ser-657'.,similarity:Belongs to the WD repeat LST8 family.,similarity:Contains 7 WD repeats.,subunit:Interacts with FRAP1, RAPTOR and RHEB. Part of the target of rapamycin complex 1 (TORC1) which contains LST8, FRAP1, RAPTOR and AKT1S1. TORC1 binds to and is inhibited by FKBP12-rapamycin. Part of the target of rapamycin complex 2 (TORC2) which contains FRAP1, LST8, PROTOR1, RICTOR and MAPKAP1. Contrary to TORC1, TORC2 does not bind to and is not sensitive to FKBP12-rapamycin.,tissue specificity:Broadly expressed, with highest levels in skeletal muscle, heart and kidney.,
Other	MLST8 GBL LST8, Target of rapamycin complex subunit LST8 (TORC subunit LST8) (G protein beta subunit-like) (Gable) (Protein GbetaL) (Mammalian lethal with SEC13 protein 8) (mLST8)

Produtc Images：

Application Key:

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry ChIP-Chromatin Immunoprecipitation

IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

Species Cross-Reactivity Key:

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster

X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All

Species Expected

Contact and Support:

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