

LST8 Polyclonal Antibody

Cat No: HR1AP12451

For research use only

Overview

Product Name	LST8 Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human,Rat,Mouse
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	35kDa
GeneID?Human?	MLST8 GBL LST8
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	
Background	<p>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.,</p>