



Hrs (phospho Tyr334) Monoclonal Antibody

Catalog No	BYmab-00645
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HGS
Protein Name	Hepatocyte growth factor-regulated tyrosine kinase substrate
Immunogen	The antiserum was produced against synthesized peptide derived from human HRS around the phosphorylation site of Tyr334. AA range:301-350
Specificity	Phospho-Hrs (Y334) Monoclonal Antibody detects endogenous levels of Hrs protein only when phosphorylated at Y334.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HGS; HRS; Hepatocyte growth factor-regulated tyrosine kinase substrate; Hrs; Protein pp110
Observed Band	86kD
Cell Pathway	Cytoplasm . Early endosome membrane ; Peripheral membrane protein ; Cytoplasmic side . Endosome, multivesicular body membrane ; Peripheral membrane protein . Colocalizes with UBQLN1 in ubiquitin-rich cytoplasmic aggregates that are not endocytic compartments. .
Tissue Specificity	Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes.
Function	domain:Has a double-sided UIM that can bind 2 ubiquitin molecules, one on each side of the helix.,function:Involved in intracellular signal transduction mediated by cytokines and growth factors. When associated with STAM, it suppresses DNA signaling upon stimulation by IL-2 and GM-CSF. Could be a direct effector of PI3-kinase in vesicular pathway via early endosomes and may regulate trafficking to early and late endosomes by recruiting clathrin. May concentrate ubiquitinated receptors within clathrin-coated regions. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with STAM

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(ESCRT-0 complex). The ESCRT-0 complex binds ubiquitin and acts as sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes. May contribute to the efficient recruitment of SMADs to the

Background

The protein encoded by this gene regulates endosomal sorting and plays a critical role in the recycling and degradation of membrane receptors. The encoded protein sorts monoubiquitinated membrane proteins into the multivesicular body, targeting these proteins for lysosome-dependent degradation. [provided by RefSeq, Dec 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images