



KLHL20 mouse mAb

Catalog No	YP-mAb-17918
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	KLHL20 KLEIP
Immunogen	Synthesized peptide derived from human KLHL20
Specificity	This antibody detects endogenous levels of KLHL20 at Human, Mouse,Rat
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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	kelch like 20 (Drosophila);Kelch like protein 20;Kelch like protein X;KHLHX; KLEIP;KLHL20;KLHLX;RP3 383J4.3;KLHL20 KLEIP;Kelch-like protein 20 (Kelch-like ECT2-interacting protein) (Kelch-like protein X)
Observed Band	65-67 kDa
Calculated Molecular Weight	609 aa, 68 kDa
Cell Pathway	Cytoplasm, perinuclear region. Nucleus. Golgi apparatus, trans-Golgi network. Cell projection, axon . Cell projection, dendrite . Localizes in the perinuclear region in normal conditions. Following IFN-alpha or IFN-gamma treatment, it is relocalized and sequestered to the PML nuclear bodies, preventing DAPK1 ubiquitination (PubMed:20389280). .
Tissue Specificity	
Function	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex involved in interferon response and anterograde Golgi to endosome transport. The BCR(KLHL20) E3 ubiquitin ligase complex mediates the ubiquitination of DAPK1, leading to its degradation by the proteasome, thereby acting as a negative regulator of apoptosis . The BCR(KLHL20) E3 ubiquitin ligase complex also specifically mediates 'Lys-33'-linked ubiquitination . Involved in anterograde Golgi to endosome transport by mediating 'Lys-33'-



linked ubiquitination of CORO7, promoting interaction between CORO7 and EPS15, thereby facilitating actin polymerization and post-Golgi trafficking . Also acts as a regulator of endothelial migration during angiogenesis by controlling the activation of Rho GTPases. The BCR(KLHL20) E3 ubiquitin ligase complex acts as a regulator of neurite outgrowth by mediating ubiquitina

Background

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