NPL4 Polyclonal Antibody

Catalog No	YP-Ab-05871
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	NPLOC4 KIAA1499 NPL4
Protein Name	Nuclear protein localization protein 4 homolog (Protein NPL4)
Immunogen	Synthesized peptide derived from human protein . at AA range: 270-350
Specificity	NPL4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	66kD
Cell Pathway	Cytoplasm, cytosol . Endoplasmic reticulum . Nucleus . Associated with the endoplasmic reticulum and nuclear. .
Tissue Specificity	Expressed at highest levels in brain, heart, skeletal muscle, kidney and fetal liver.
Function	domain:Binds ubiquitinated proteins via its RanBP2-type zinc finger.,function:The ternary complex containing UFD1L, VCP and NPLOC4 binds ubiquitinated proteins and is necessary for the export of misfolded proteins from the ER to the cytoplasm, where they are degraded by the proteasome. The NPLOC4-UFD1L-VCP complex regulates spindle disassembly at the end of mitosis and is necessary for the formation of a closed nuclear envelope.,pathway:Protein degradation; proteasomal ubiquitin-dependent pathway.,similarity:Belongs to the NPL4 family.,similarity:Contains 1 RanBP2-type zinc finger.,subcellular location:Associated with the endoplasmic reticulum and nuclear.,subunit:Heterodimer with UFD1L. The heterodimer binds ubiquitinated proteins. The heterodimer binds to VCP and inhibits Golgi membrane fusion.,tissue specificity:Expressed at highest levels in brain, heart, skeletal muscle, kidney and
Background	domain:Binds ubiquitinated proteins via its RanBP2-type zinc finger.,function:The ternary complex containing UFD1L, VCP and NPLOC4 binds ubiquitinated

	proteins and is necessary for the export of misfolded proteins from the ER to the cytoplasm, where they are degraded by the proteasome. The NPLOC4-UFD1L-VCP complex regulates spindle disassembly at the end of mitosis and is necessary for the formation of a closed nuclear envelope.,pathway:Protein degradation; proteasomal ubiquitin-dependent pathway.,similarity:Belongs to the NPL4 family.,similarity:Contains 1 RanBP2-type zinc finger.,subcellular location:Associated with the endoplasmic reticulum and nuclear.,subunit:Heterodimer with UFD1L. The heterodimer binds ubiquitinated proteins. The heterodimer binds to VCP and inhibits Golgi membrane fusion.,tissue specificity:Expressed at highest levels in brain, heart, skeletal muscle, kidney and fetal liver.,
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.

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