



NPL4 rabbit pAb

Cat No.:ES9944

For research use only

Overview

Product Name	NPL4 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000
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, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C . Avoid repeated freeze-thaw cycles.
Protein Name	Nuclear protein localization protein 4 homolog (Protein NPL4)
Gene Name	NPLOC4 KIAA1499 NPL4
Cellular localization	Cytoplasm, cytosol . Endoplasmic reticulum . Nucleus . Associated with the endoplasmic reticulum and nuclear. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	66kD
Human Gene ID	55666
Human Swiss-Prot Number	Q8TAT6
Alternative Names	
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





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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.,



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