Datasheet for ABIN7599442

anti-NPLOC4 antibody (AA 1-495)

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Overview

Quantity:	100 µg
Target:	NPLOC4
Binding Specificity:	AA 1-495
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPLOC4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-NPL4/NPLOC4 Antibody Picoband®
Immunogen:	E.coli-derived human NPL4/NPLOC4 recombinant protein (Position: M1-N495).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NPL4/NPLOC4 Antibody Picoband® (ABIN7599442). Tested in ELISA, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NPLOC4
Alternative Name:	NPLOC4 (NPLOC4 Products)
Background:	Synonyms: Serine/threonine-protein kinase LMTK3, Lemur tyrosine kinase 3, LMTK3, KIAA1883, TYKLM3 Background: Nuclear protein localization protein 4 homolog is a protein that in humans is encoded by the NPLOC4 gene. Nuclear protein localization protein 4 (NPL4, NPLOC4) was originally identified as a yeast nuclear transport protein that was later recognized as a critical component of the endoplasmic reticulum-associated degradation (ERAD) pathway. Mammalian NPL4 protein has an amino-terminal ubiquitin-like domain containing a p97 binding site, and a conserved carboxy-terminal zinc finger (NZF) motif responsible for binding ubiquitinated target proteins. NPL4 binds ubiquitin fusion degradation protein 1 (UFD1) to form a heterodimer that associates with the p97 AAA-ATPase, creating a protein complex that mediates delivery of ubiquitinated ER proteins to the proteasome.
Molecular Weight:	72 kDa
Gene ID:	55666

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Botta, A., Tandoi, C., Fini, G., Calabrese, G., Dallapiccola, B., Novelli, G. Cloning and characterization of the gene encoding human NPL4, a protein interacting with the ubiquitin fusion-degradation protein (UFD1L). Gene 275: 39-46, 2001. 2. Nagase, T., Kikuno, R., Ishikawa, K., Hirosawa, M., Ohara, O. Prediction of the coding sequences of unidentified human genes. XVII. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 7: 143-150, 2000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.