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Datasheet for ABIN2788516
anti-LONP2 antibody (C-Term)

2 Images

Overview

Quantity:	100 µL
Target:	LONP2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Horse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LONP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human LONP2
Sequence:	AICRAVAVKV AEGQHKEAKL DRSDVTEREG CREHILEDEK PESISDTTDL
Predicted Reactivity:	Dog: 93%, Horse: 86%, Human: 100%, Mouse: 86%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against LONP2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	LONP2
Alternative Name:	LONP2 (LONP2 Products)
Background:	LONP2 is an ATP-dependent serine protease that mediates the selective degradation of

Target Details

misfolded and unassembled polypeptides in the peroxisomal matrix. It is necessary for type 2 peroxisome targeting signal (PTS2)-containing protein processing and facilitates peroxisome matrix protein import

Alias Symbols: LONP, LONPL, MGC4840

Protein Interaction Partner: UBC, WWOX, PEX5, ELAVL1, AMOT,

Protein Size: 852

Molecular Weight: 94 kDa

Gene ID: 83752

NCBI Accession: [NM_031490](#), [NP_113678](#)

UniProt: [Q86WA8](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 852 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

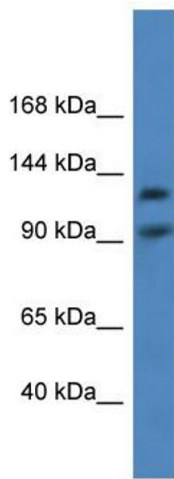
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



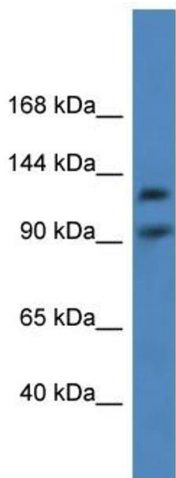
Western Blotting

Image 1. WB Suggested Anti-LONP2 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Human brain



Rabbit Anti-LONP2 Antibody
Catalog Number: ARP60626
Lot Number: QC31329
Lane: Fetal Brain Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 6-18%

Western Blotting

Image 2. WB Suggested Anti-LONP2

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: Human brain