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Datasheet for ABIN7268293
anti-LONP2 antibody (AA 1-300)

1 Image

Overview

| | |
|----------------------|--------------------------------------|
| Quantity: | 100 µL |
| Target: | LONP2 |
| Binding Specificity: | AA 1-300 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This LONP2 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-------------------|--|
| Purpose: | LONP2 Rabbit pAb |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human LONP2 (NP_113678.2). |
| Sequence: | MSSVSPIQIP SRLPLLLTHE GVLLPGSTMRTS VDSARNLQ LVRSRLKGT SLQSTILGVI PNTDPASDAQDL PPLHRIG TAALAVQVVG SNWPKPHYTL LITGLCRFQI VQVLKEKPYP IAEVEQLDRL EEFNPTCKMR EELGELSEQF YKYAVQLVEM LDMSVPAVAK LRRLLDSLPR EALPDILTSI IRTSNKEKLQ ILDAVSLEER FKMTIPLLVR QIEGLKLLQK TRKPKQDDDK RVI AIRPIRR ITHISGTLED EDEDEDNDDI VMLEKKIRTS SMPEQAHKVC VKEIKRLKKM |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Product Details

Purification: Affinity purification

Target Details

Target: LONP2

Alternative Name: LONP2 ([LONP2 Products](#))

Background: In human, peroxisomes function primarily to catalyze fatty acid beta-oxidation and, as a by-product, produce hydrogen peroxide and superoxide. The protein encoded by this gene is an ATP-dependent protease that likely plays a role in maintaining overall peroxisome homeostasis as well as proteolytically degrading peroxisomal proteins damaged by oxidation. The protein has an N-terminal Lon N substrate recognition domain, an ATPase domain, a proteolytic domain, and, in some isoforms, a C-terminal peroxisome targeting sequence. Alternative splicing results in multiple transcript variants encoding distinct isoforms.,LONP2,LONP,LONPL,PLON,PSLON,Cell Biology & Developmental Biology,Ubiquitin,LONP2

Molecular Weight: 89kDa/94kDa

Gene ID: 83752

UniProt: [Q86WA8](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

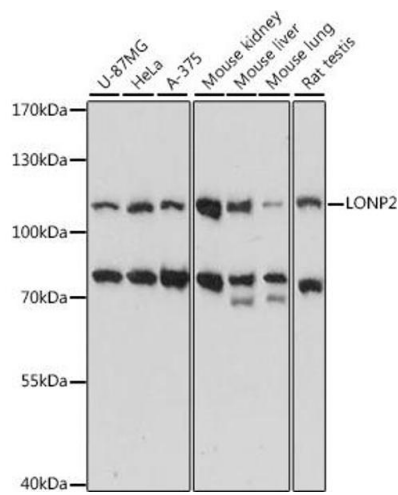
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using LONP2 antibody (ABIN7268293) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.