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Datasheet for ABIN6991157
anti-UBQLN4 antibody (N-Term)

Overview

| | |
|----------------------|---|
| Quantity: | 0.1 mg |
| Target: | UBQLN4 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This UBQLN4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|---------------|---|
| Immunogen: | CIP75 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human CIP75. The immunogen is located within the first 50 amino acids of CIP75. |
| Isotype: | IgG |
| Purification: | CIP75 Antibody is affinity chromatography purified via peptide column. |

Target Details

| | |
|-------------------|---|
| Target: | UBQLN4 |
| Alternative Name: | CIP75 (UBQLN4 Products) |
| Background: | CIP75 Antibody: The ubiquitin-proteasome pathway of protein degradation is one of the mechanisms that ensure the proper level of cellular proteins. The ubiquitin-like (UbL) and ubiquitin-associated (UBA) domain containing protein family is thought to be involved in |

Target Details

proteosomal degradation. One such protein is CIP75, also known as ubiquilin-4, interacts with a number of proteins such as Ataxin-1 and Connexin-43, resulting in an increased rate of turnover of these proteins. Overexpression CIP75 led to a significant reduction of Connexin-43 half-life, with the opposite being observed in siRNA knockdown experiments. CIP75 contains an N-terminal UbL domain which is thought to interact with proteins of the 26S proteasome complex and a C-terminal UBA domain which appears to mediate its interaction with Connexin-75. At least three isoforms of CIP75 are known to exist.

Gene ID: 56893

UniProt: [Q9NRR5](#)

Application Details

Application Notes: CIP75 antibody can be used for detection of CIP75 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL.

Antibody validated: Western Blot in mouse samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: CIP75 Antibody is supplied in PBS containing 0.02 % sodium azide.

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, 4 °C

Storage Comment: CIP75 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.