Datasheet for ABIN7599572

anti-OCRL antibody (AA 1-901)

Go to Product page

Overview

Quantity:	100 µg
Target:	OCRL
Binding Specificity:	AA 1-901
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OCRL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-OCRL Antibody Picoband®
Immunogen:	E.coli-derived human OCRL recombinant protein (Position: M1-D901).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-OCRL Antibody Picoband® (ABIN7599572). Tested in ELISA, IF, IHC, ICC, WB applications. This antibody reacts with Human. 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:	OCRL
Alternative Name:	OCRL (OCRL Products)
Background:	Synonyms: G2/mitotic-specific cyclin-B2, CCNB2 Tissue Specificity: Strongly expressed in placenta. Expressed at lower levels in heart, pancreas, kidney and brain. Expressed in endothelial cells. Isoform alpha was found to be the predominant isoform. Isoform beta was not found in pancreas and brain. Background: Inositol polyphosphate 5-phosphatase OCRL-1, also known as Lowe oculocerebrorenal syndrome protein, is an enzyme encoded by the OCRL gene located on the X chromosome in humans. This gene encodes an inositol polyphosphate 5-phosphatase. This protein is involved in regulating membrane trafficking and is located in numerous subcellular locations including the trans-Golgi network, clathrin-coated vesicles and, endosomes and the plasma membrane. This protein may also play a role in primary cilium formation. Mutations in this gene cause oculocerebrorenal syndrome of Lowe and also Dent disease. Alternate splicing results in multiple transcript variants.
Molecular Weight:	104 kDa
Gene ID:	4952
UniProt:	Q01968
Pathways:	Inositol Metabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Attree, O., Olivos, I. M., Okabe, I., Bailey, L. C., Nelson, D. L., Lewis, R. A., McInnes, R. R., Nussbaum, R. L. The Lowe's oculocerebrorenal syndrome gene encodes a protein highly homologous to inositol polyphosphate-5-phosphatase. Nature 358: 239-242, 1992. 2. Bailey, L. C., Jr., Olivos, I. M., Leahey, A. M., Attree, O. F., Okabe, I., Lewis, R. A., MacInnes, R. R., Spinner, N. B., Nelson, D. L., Nussbaum, R. L. Characterization of a candidate gene for OCRL. (Abstract) Am. J. Hum. Genet. 51 (suppl.): A4 only, 1992. 3. Bockenhauer, D., Bokenkamp, A., Nuutinen, M., Unwin, R., van't Hoff, W., Sirimanna, T., Vrljicak, K., Ludwig, M. Novel OCRL mutations in patients with Dent-2 disease. J. Pediat. Genet. 1: 15-23, 2012.
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
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.