

ARG45313 anti-OCRL antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes OCRL
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	OCRL
Species	Human
Immunogen	Recombinant protein containing to human OCRL.
Conjugation	Un-conjugated
Alternate Names	OCRL; OCRL Inositol Polyphosphate-5-Phosphatase; OCRL1; Dent-2; Phosphatidylinositol 3,4,5-Triphosphate 5-Phosphatase; Inositol Polyphosphate 5-Phosphatase OCRL-1; Inositol Polyphosphate 5-Phosphatase OCRL; Lowe Oculocerebrorenal Syndrome Protein; Oculocerebrorenal Syndrome Of Lowe; OCRL-1; Phosphatidylinositol Polyphosphate 5-Phosphatase; Dent Disease 2; EC 3.1.3.36; EC 3.1.3.56; EC 3.1.3.86; INPP5F; DENT2; NPHL2; LOCR

Application Instructions

Application table	Application	Dilution
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	104 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

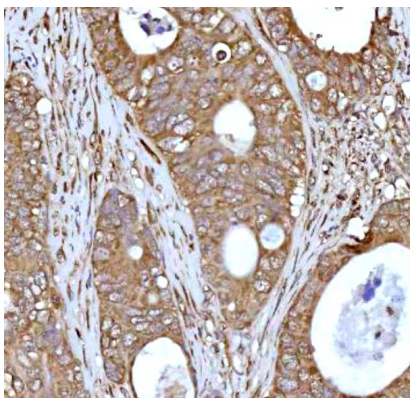
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

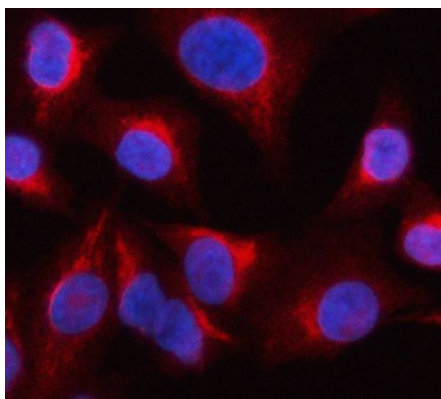
Gene Symbol	OCRL
Gene Full Name	OCRL Inositol Polyphosphate-5-Phosphatase
Background	This gene encodes an inositol polyphosphate 5-phosphatase. This protein is involved in regulating membrane trafficking and is located in numerous subcellular locations including the trans-Golgi network, clathrin-coated 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. [provided by RefSeq, Jan 2016] GeneCards Summary for OCRL Gene
Function	Catalyzes the hydrolysis of the 5-position phosphate of phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P ₂) and phosphatidylinositol-3,4,5-bisphosphate (PtdIns(3,4,5)P ₃), with the greatest catalytic activity towards PtdIns(4,5)P ₂ . [UniProt]
Calculated Mw	104 kDa
Cellular Localization	Cell projection; Cilium; Coated pit; Cytoplasmic vesicle; Endosome; Golgi apparatus; Lysosome; Membrane. [UniProt]

Images



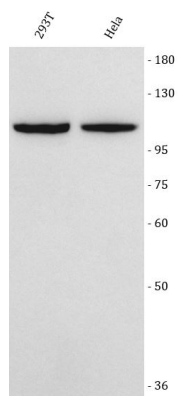
ARG45313 anti-OCRL antibody IHC-P image

Immunohistochemistry: Human colon adenocarcinoma stained with ARG45313 anti-OCRL antibody at 2 µg/ml dilution.



ARG45313 anti-OCRL antibody ICC/IF image

Immunofluorescence: A549 stained with ARG45313 anti-OCRL antibody at 5 µg/ml dilution.



ARG45313 anti-OCRL antibody WB image

Western blot: 293T and HeLa stained with ARG45313 anti-OCRL antibody at 0.5 $\mu\text{g/ml}$ dilution.