

## 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 <sub>2</sub> HPO <sub>4</sub> , 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.

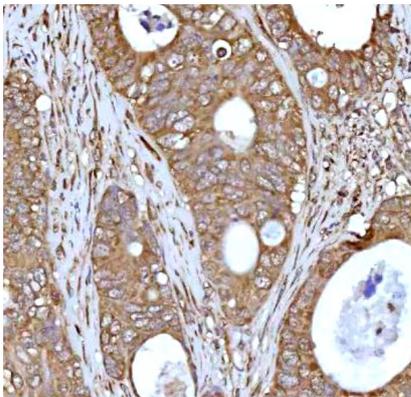
## Bioinformation

---

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 <sub>2</sub> ) and phosphatidylinositol-3,4,5-bisphosphate (PtdIns(3,4,5)P <sub>3</sub> ), with the greatest catalytic activity towards PtdIns(4,5)P <sub>2</sub> . [UniProt]
Calculated Mw	104 kDa
Cellular Localization	Cell projection; Cilium; Coated pit; Cytoplasmic vesicle; Endosome; Golgi apparatus; Lysosome; Membrane. [UniProt]

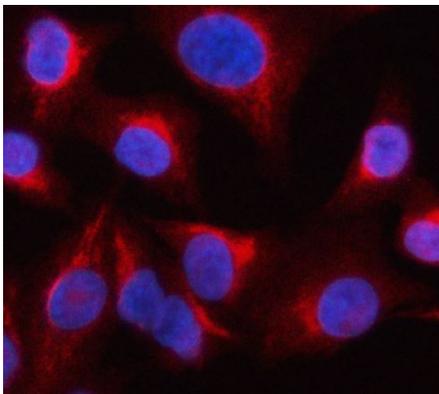
## Images

---



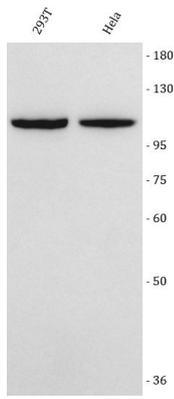
ARG45313 anti-OCRL antibody IHC-P image

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  $\mu\text{g}/\text{ml}$  dilution.