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# OCRL Antibody (monoclonal) (M02)

**Mouse monoclonal antibody raised against a partial recombinant OCRL.**
**Catalog # AT3144a**

## Specification

### OCRL Antibody (monoclonal) (M02) - Product Information

| | |
|---|---|
| Application | **WB, IHC, E** |
| Primary Accession | Q01968 |
| Other Accession | NM_000276 |
| Reactivity | **Human** |
| Host | **mouse** |
| Clonality | **Monoclonal** |
| Isotype | **IgG2a Kappa** |
| Calculated MW | **104205** |

### OCRL Antibody (monoclonal) (M02) - Additional Information

**Gene ID** 4952

**Other Names**
Inositol polyphosphate 5-phosphatase OCRL-1, Lowe oculocerebrorenal syndrome protein, OCRL, INPP5F, OCRL1

**Target/Specificity**
OCRL (NP_000267, 146 a.a. ~ 239 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**
WB~~1:500~1000

**Format**
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**
OCRL Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

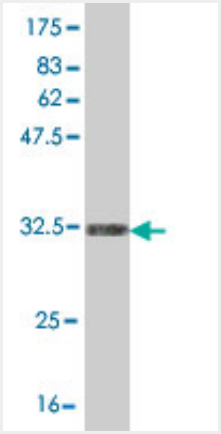
### OCRL Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

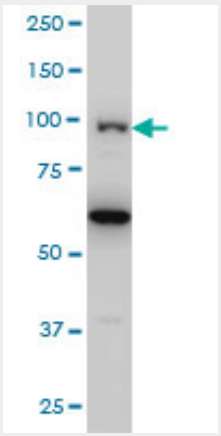
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

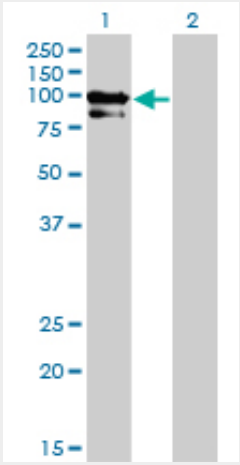
**OCRL Antibody (monoclonal) (M02) - Images**




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.08 KDa) .



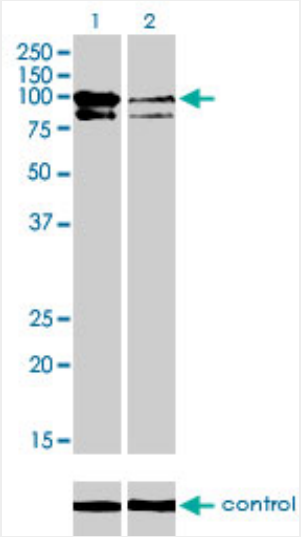

OCRL monoclonal antibody (M02), clone 4A6 Western Blot analysis of OCRL expression in Hela S3 NE ( (Cat # AT3144a )



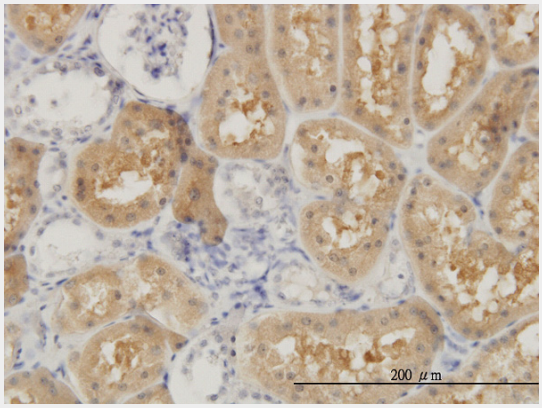
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Western Blot analysis of OCRL expression in transfected 293T cell line by OCRL monoclonal antibody (M02), clone 4A6.

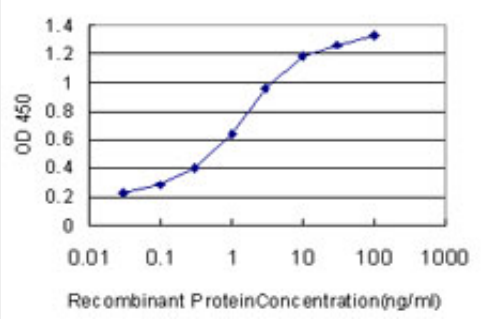
Lane 1: OCRL transfected lysate(103.2 KDa).
Lane 2: Non-transfected lysate.




Western blot analysis of OCRL over-expressed 293 cell line, cotransfected with OCRL Validated Chimera RNAi ( (Cat # AT3144a )




Immunoperoxidase of monoclonal antibody to OCRL on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]




Detection limit for recombinant GST tagged OCRL is approximately 0.1ng/ml as a capture antibody.

**OCRL Antibody (monoclonal) (M02) - Background**

This gene encodes a phosphatase enzyme that is involved in actin polymerization and is found in the trans-Golgi network. Mutations in this gene cause oculocerebrorenal syndrome of Lowe and also Dent disease.

**OCRL Antibody (monoclonal) (M02) - References**

Two closely related endocytic proteins that share a common OCRL-binding motif with APPL1. Swan LE, et al. Proc Natl Acad Sci U S A, 2010 Feb 23. PMID 20133602.Development of a multiplex ligation-dependent probe amplification (MLPA) assay for quantification of the OCRL1 gene. Coutton C, et al. Clin Biochem, 2010 Apr. PMID 20043897.OCRL1 function in renal epithelial membrane traffic. Cui S, et al. Am J Physiol Renal Physiol, 2010 Feb. PMID 19940034.Lowe syndrome patient fibroblasts display Ocrl1-specific cell migration defects that cannot be rescued by the homologous Inpp5b phosphatase. Coon BG, et al. Hum Mol Genet, 2009 Dec 1. PMID 19700499.Locus heterogeneity of Dent's disease: OCRL1 and TMEM27 genes in patients with no CLCN5 mutations. Tosetto E, et al. Pediatr Nephrol, 2009 Oct. PMID 19582483.