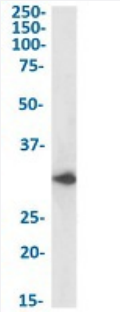
RecomAb™

ACKR1 recombinant monoclonal antibody, clone 2C3

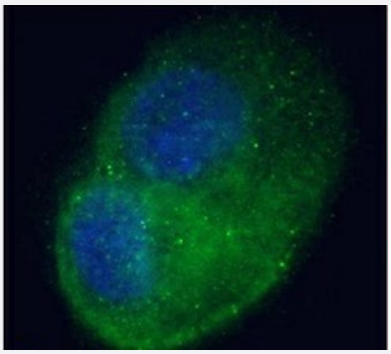
Catalog # RAB03402 Size 200 ug

Applications



Western Blot

Western blot analysis of human liver (35ug protein in RIPA buffer) lysates with ACKR1 recombinant monoclonal antibody, clone 2C3 (Cat # RAB03402). A primary incubation of 1h was used and protein was detected by chemiluminescence.



Immunofluorescence

Immunofluorescent staining of HepG2 cells with ACKR1 recombinant monoclonal antibody, clone 2C3 (Cat # RAB03402). Immunofluorescence analysis of paraformaldehyde HepG2 cells fixed on Shi-fix™ coverslips, permeabilized with 0.15% Triton stained with the chimeric r version of RAB03402 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/mL), showing cytoplasmic staining likely of endosomes and some membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with an anti-Fluorescein antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ACKR1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against CHO cells transfected with cDNA encoding the Duffy glycoprotein.
Reactivity	Human
Form	Liquid

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Isotype	IgG kappa
Recommend Usage	Blocking ELISA Flow Cytometry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

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- Western Blot

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- Enzyme-linked Immunoabsorbent Assay

- Blocking

- Flow Cytometry

Gene Info — DARC

Entrez GeneID	2532
Gene Name	DARC
Gene Alias	CCBP1, CD234, Dfy, FY, GPD, GpFy, WBCQ1
Gene Description	Duffy blood group, chemokine receptor
Omim ID	110700 611162

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Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a glycosylated membrane protein and a non-specific recepto r for several chemokines. The encoded protein is the receptor for the human malarial parasites Pl asmodium vivax and Plasmodium knowlesi. Polymorphisms in this gene are the basis of the Duffy blood group system. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	Duffy antigen/chemokine receptor|Duffy blood group antigen|Fy glycoprotein|OTTHUMP0000003 5293|OTTHUMP00000060081|glycoprotein D

Disease

- Acute Disease
- Anemia
- Asthma
- Atherosclerosis
- Behcet Syndrome
- Blood Group Incompatibility
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Ductus Arteriosus
- Edema
- Elliptocytosis
- Genetic Predisposition to Disease
- HIV Infections
- Infant
- Kidney Diseases
- Leukopenia

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- Lung Diseases
- Malaria
- Nervous System Diseases
- Neutropenia
- Rh Isoimmunization
- Schizophrenia

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