

Anti-CD147 Rabbit Monoclonal Antibody
Catalog # ABO16544**Specification**

Anti-CD147 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	P18572
Host	Rabbit
Isotype	IgG
Reactivity	Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-CD147 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Mouse.

Anti-CD147 Rabbit Monoclonal Antibody - Additional Information

Gene ID 12215

Other Names

Basigin, Basic immunoglobulin superfamily, HT7 antigen, Membrane glycoprotein gp42, CD147, Bsg

Calculated MW

35-60 kDa KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human CD147

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-CD147 Rabbit Monoclonal Antibody - Protein Information

Name Bsg

Function

[Isoform 1]: Essential for normal retinal maturation and development (PubMed:10967074, PubMed:11273674, PubMed:11853760). Acts as a retinal cell surface receptor for NXNL1 and plays an important role in NXNL1-mediated survival of retinal cone photoreceptors (PubMed:25957687). In association with glucose transporter SLC16A1/GLUT1 and NXNL1, promotes retinal cone survival by enhancing aerobic glycolysis and accelerating the entry of glucose into photoreceptors (PubMed:25957687).

Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P26453}. Photoreceptor inner segment. Cell projection, cilium, photoreceptor outer segment

Tissue Location

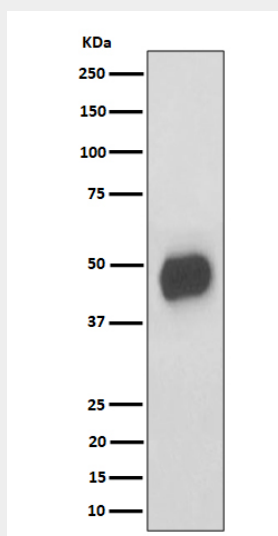
[Isoform 1]: Retina-specific (PubMed:11273674, PubMed:11853760, PubMed:12939332, PubMed:25957687). Expressed in both rods and cones (at protein level) (PubMed:25957687)

Anti-CD147 Rabbit Monoclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD147 Rabbit Monoclonal Antibody - Images



Western blot analysis of CD147 expression in RAW 264.7 cell lysate.