

RHAG antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11929**Specification**

RHAG antibody - middle region - Product Information

Application	WB
Primary Accession	Q02094
Other Accession	NM_000324 , NP_000315
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Dog
Predicted Host	Human, Rat, Chicken, Horse
Clonality	Rabbit
Calculated MW	Polyclonal 45kDa KDa

RHAG antibody - middle region - Additional Information**Gene ID 6005**

Alias Symbol	RH2, RH50A, Rh50, Rh50 GP, CD241, Rh50GP, SLC42A1
--------------	---

Other Names

Ammonium transporter Rh type A, Erythrocyte membrane glycoprotein Rh50, Erythrocyte plasma membrane 50 kDa glycoprotein, Rh50A, Rhesus blood group family type A glycoprotein, Rh family type A glycoprotein, Rh type A glycoprotein, Rhesus blood group-associated ammonia channel, Rhesus blood group-associated glycoprotein, CD241, RHAG, RH50

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-RHAG antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

RHAG antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

RHAG antibody - middle region - Protein Information

Name RHAG ([HGNC:10006](#))

Synonyms RH50

Function

Component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane (PubMed:<a href="http://www.uniprot.org/citations/35835865"

target="_blank">35835865). Heterotrimer with RHCE (RHAG)2(RHCE), that transports ammonium and its related derivative methylammonium, in both neutral and ionic forms, across the erythrocyte membrane (PubMed:11861637, PubMed:11062476, PubMed:15856280, PubMed:19273840, PubMed:21849667, PubMed:22012326, PubMed:24077989, PubMed:15572441, PubMed:26354748). The transport of NH4(+) is electrogenic and masks the NH3 transport (PubMed:26354748). Also, may act as a CO2 channel (PubMed:19273840, PubMed:17712059, PubMed:24077989). In vitro, leaks monovalent cations (PubMed:18931342, PubMed:21849667). Moreover in erythrocyte, regulates RHD membrane expression (PubMed:12130520) and is associated with rhesus blood group antigen expression (PubMed:19744193, PubMed:12130520).

Cellular Location

Membrane; Multi-pass membrane protein Note=Localization at the plasma membrane is regulated by ANK1

Tissue Location

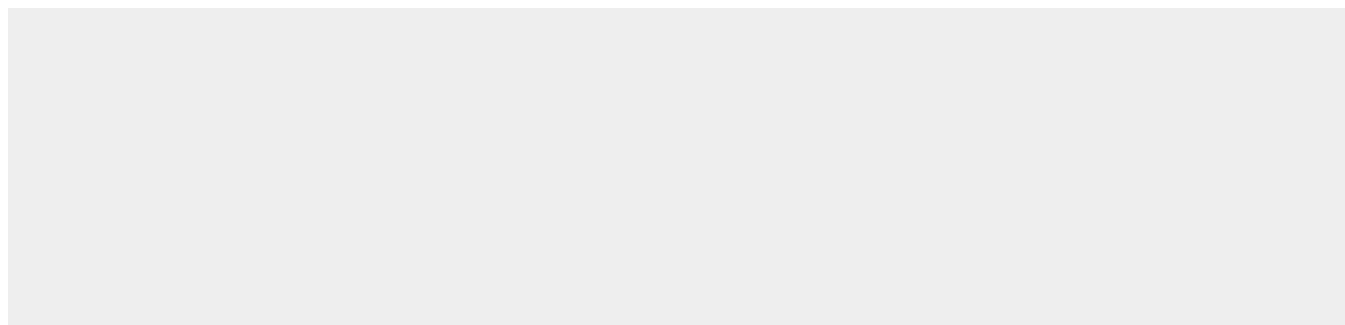
Erythrocytes.

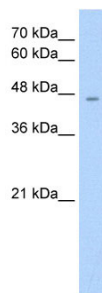
RHAG antibody - middle region - Protocols

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](#)

RHAG antibody - middle region - Images





WB Suggested Anti-RHAG Antibody Titration: 1.25µg/ml
Positive Control: HepG2 cell lysate