

CD241 Polyclonal Antibody
Catalog # AP73467**Specification****CD241 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q02094
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

CD241 Polyclonal Antibody - Additional Information**Gene ID** 6005**Other Names**

RHAG; RH50; 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

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CD241 Polyclonal Antibody - 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: 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).

target="_blank">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

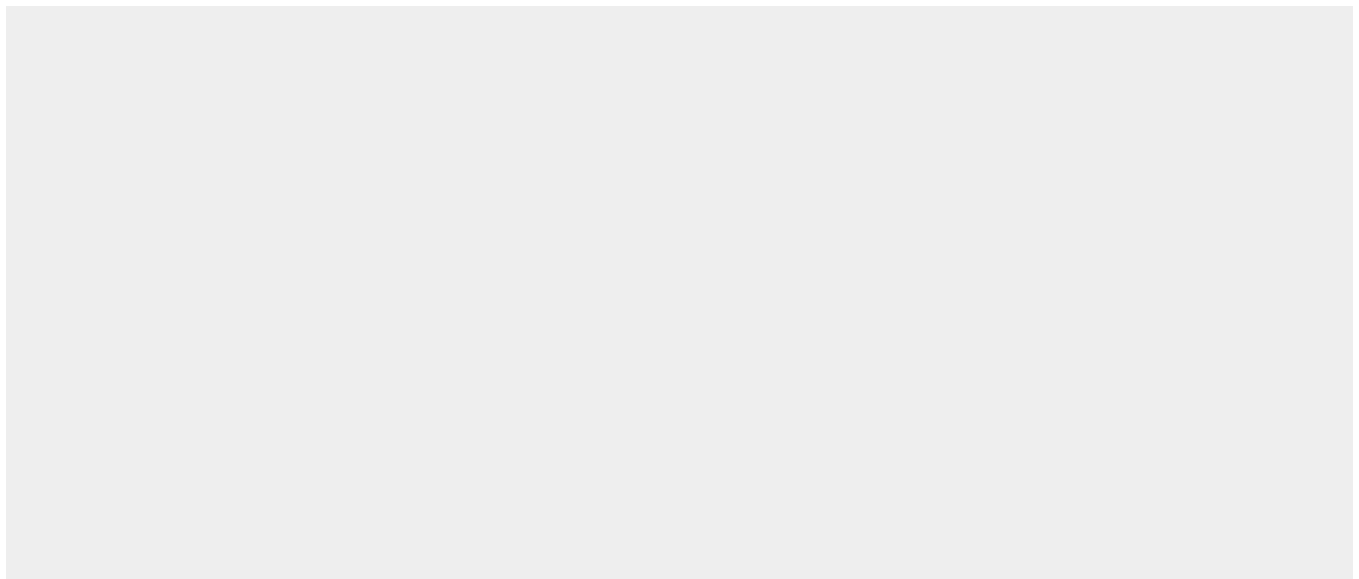
Erythrocytes.

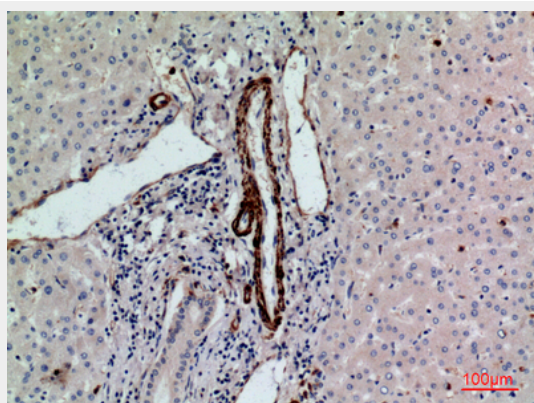
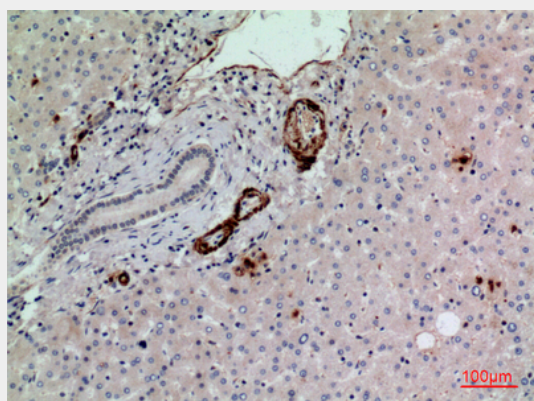
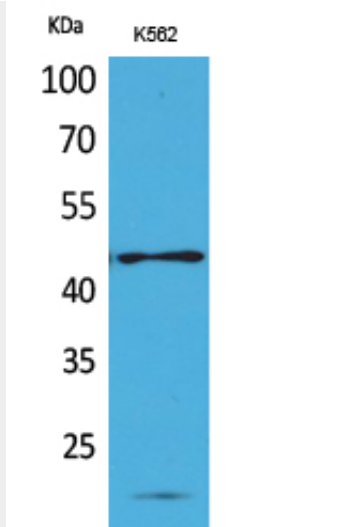
CD241 Polyclonal Antibody - Protocols

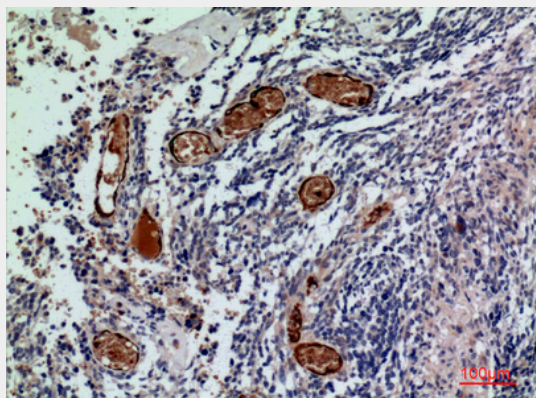
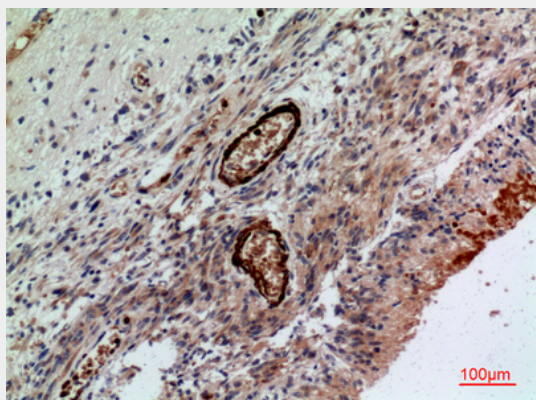
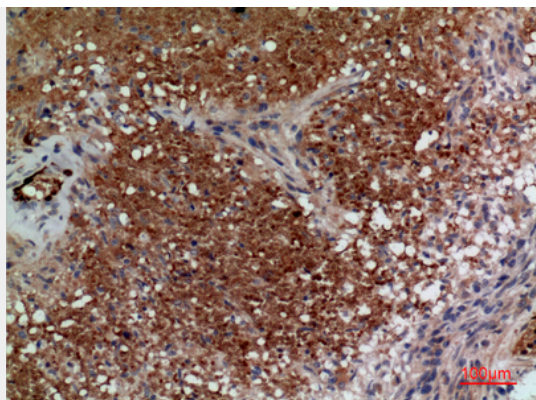
Provided below are standard protocols that you may find useful for product applications.

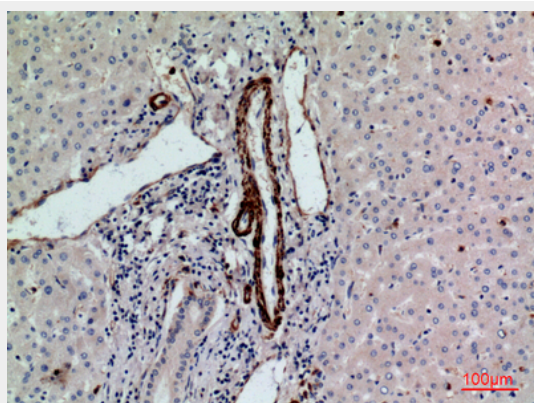
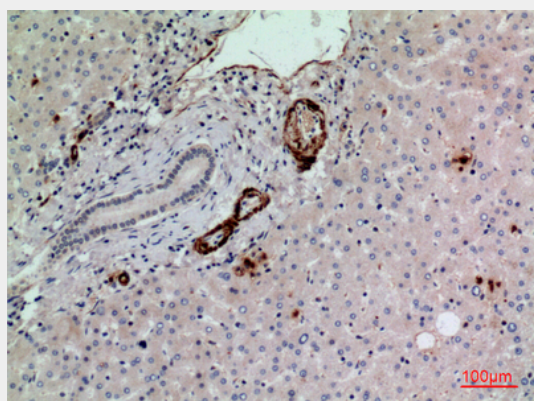
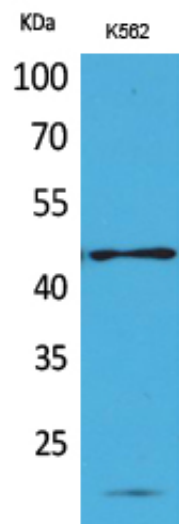
- [Western Blot](#)
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- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

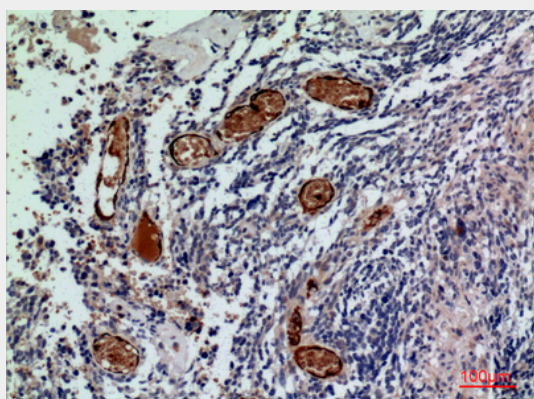
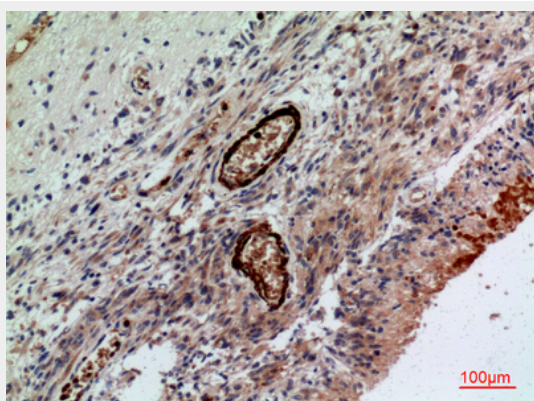
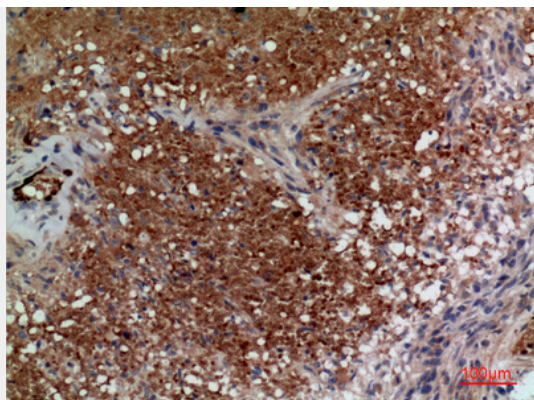
CD241 Polyclonal Antibody - Images











CD241 Polyclonal Antibody - Background

Associated with rhesus blood group antigen expression (PubMed:19744193). May be part of an oligomeric complex which is likely to have a transport or channel function in the erythrocyte membrane (PubMed:11062476, PubMed:11861637). Involved in ammonia transport across the erythrocyte membrane (PubMed:21849667, PubMed:22012326). Seems to act in monovalent cation transport (PubMed:18931342, PubMed:21849667).