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RHD Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17214c

Specification

RHD Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q02161
Other Accession	NP_001121163.1, NP_057208.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**45211**
Antigen Region	**173-201**

RHD Antibody (Center) - Additional Information

Gene ID 6007

Other Names
Blood group Rh(D) polypeptide, RHXIII, Rh polypeptide 2, RhPII, Rhesus D antigen, CD240D, RHD

Target/Specificity
This RHD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 173-201 amino acids from the Central region of human RHD.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RHD Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RHD Antibody (Center) - Protein Information

Name RHD

Function May be part of an oligomeric complex which is likely to have a transport or channel function in the erythrocyte membrane.

Cellular Location
Cell membrane; Multi-pass membrane protein

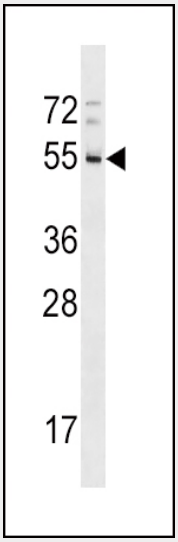
Tissue Location
Restricted to tissues or cell lines expressing erythroid characters

RHD Antibody (Center) - 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

RHD Antibody (Center) - Images



RHD Antibody (Center) (Cat. #AP17214c) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the RHD antibody detected the RHD protein (arrow).

RHD Antibody (Center) - Background

The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene, which encodes the RhD protein, and a second gene that encodes both the RhC and RhE antigens on a single polypeptide. The two genes, and a third unrelated gene, are found in a cluster on chromosome 1. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. Multiple transcript variants encoding different isoforms have been

found for this gene.

RHD Antibody (Center) - References

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Liu, H.C., et al. Biochim. Biophys. Acta 1800(6):565-573(2010)
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