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RHD Polypeptide Rabbit pAb

Catalog # AP98139

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q02161
Other Accession	Q02161
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45211
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RhD
Epitope Specificity	21-120/417
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ammonium transporter (TC 2.A.49) family. Rh subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	6007
Other Names	CD240D; DIIIc; HDFNRH; RH; RH30; RHCED; RHDVA(TT); RHDel; RHPII; RHXIII; Rh4; RhDCw; RhII; RhK562-II; RhPI; SLC42A5; RHD_HUMAN; RHD; Rh polypeptide 2 (RhPII); Rhesus D antigen; Rh blood group D antigen; Rhesus blood group, D antigen
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.