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RHCE Rabbit pAb

Catalog # AP98184

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P18577
Other Accession	P18577
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45451
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RHCE
Epitope Specificity	2-120/417
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 both the RhC and RhE antigens on a single polypeptide and a second gene which encodes the RhD protein. 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. A mutation in this gene results in amorph-type Rh-null disease. There are thirteen named isoforms.

Additional Information

Gene ID	6006
Other Names	CD240CE; RH; RH30A; RHC; RHCe(152N); RHE; RHIXB; RHNA; RHPI; Rh4; RhIVb(J); RhVI; RhVIII; SLC42A4; RHCE_HUMAN; RHCE; Rh polypeptide 1 (RhPI); Rhesus C/E antigens; Rh blood group CcEe antigens; Rhesus blood group, CcEe antigens
Dilution	IHC-P=1:100-500,IHC-F=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	RHCE (HGNC:10008)
Synonyms	RHC, RHE
Function	Component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane (PubMed:35835865). Mediates the primary membrane attachment site for ANK1 when associated with RHAG (PubMed:35835865). May participate in the ammonium and carbon dioxide transport through the heterotrimer form (Probable).
Cellular Location	Membrane; Multi-pass membrane protein.
Tissue Location	Restricted to tissues or cell lines expressing erythroid characters. Isoform 4g and isoform RhPI-Alpha are expressed in immature erythroblasts but not in mature erythroblasts

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