

Rabbit CD234 Polyclonal Antibody | anti-CD234 antibody

RABBIT ANTI HUMAN CD234 (C-TERMINAL)

CATALOG # AAA50057	HOST Rabbit	REACTIVITY Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

CD234; Polyclonal Antibody; RABBIT ANTI HUMAN CD234 (C-TERMINAL); anti-CD234 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Clonality	Polyclonal
Isotype	IgG
Specificity	CD234 (C-Terminal) This item detects CD234, also known as DARC, a multi-pass membrane protein belonging to the G protein coupled Duffy family. CD234 is a non-specific receptor for a number of cytokines including IL-8, GRO, RANTES, MCP-1 and TARC. CD234 also functions as the receptor for the malaria parasites Plasmodium vivax and P. knowlesi. CD234 is also responsible for the Duffy blood group system where a substitution at position 42 of either Gly-42 or Asp-42 results in Fy(A) or Fy(B). CD234 is present in adult kidney, adult spleen, bone marrow and fetal liver. In particular, it is expressed along post capillary venules throughout the body, except in the adult liver. Erythroid cells and post capillary venule endothelium are the principle tissues expressing duffy. Fy(-A-B) individuals do not express duffy in the bone marrow, however they do, in postcapillary venule endothelium. It has been demonstrated that CD234 exists in multiple isoforms.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	338
Applicable Applications for anti-CD234 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.02% Sodium Azide (NaN3)
Immunogen	A peptide corresponding to a 16 amino acid sequence from near the carboxy terminus of Human CD234.
Histology Positive Control Tissue	Mouse brain tissue
Buffer Solution	Phosphate buffered saline
Antiserum Preparation	Antisera to Human CD234 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.
Target Species	Human

Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.
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ADDITIONAL INFORMATION

Related Product Information for anti-CD234 antibody	MBS223703 detects CD234, also known as DARC, a multi-pass membrane protein belonging to the G protein coupled Duffy family. CD234 is a non-specific receptor for a number of cytokines including IL-8, GRO, RANTES, MCP-1 and TARC. CD234 also functions as the receptor for the malaria parasites Plasmodium vivax and P. knowlesi. CD234 is also responsible for the Duffy blood group system where a substitution at position 42 of either Gly-42 or Asp-42 results in Fy(A) or Fy(B). CD234 is present in adult kidney, adult spleen, bone marrow and fetal liver. In particular, it is expressed along post capillary venules throughout the body, except in the adult liver. Erythroid cells and post capillary venule endothelium are the principle tissues expressing duffy. Fy(-A-B) individuals do not express duffy in the bone marrow, however they do, in postcapillary venule endothelium. It has been demonstrated that CD234 exists in multiple isoforms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	171846251
NCBI GeneID	2532
NCBI Accession #	NP_001116423.1
NCBI GenBank Nucleotide #	NM_001122951.2
UniProt Accession #	Q16570 ; O75898 ; Q16300 ; Q8WWE3 ; Q9UJP0 ; Q9UKZ5 ; Q9UKZ6 ; Q9UQE1 ; A8YPG5
Molecular Weight	35,678 Da
NCBI Official Full Name	atypical chemokine receptor 1 isoform a
NCBI Official Synonym Full Names	atypical chemokine receptor 1 (Duffy blood group)
NCBI Official Symbol	ACKR1
NCBI Official Synonym Symbols	FY; Dfy; GPD; DARC; GpFy; CCBP1; CD234; WBCQ1
NCBI Protein Information	atypical chemokine receptor 1; Duffy blood group antigen; Duffy blood group, atypical chemokine receptor; Duffy blood group, chemokine receptor; Fy glycoprotein; glycoprotein D; plasmodium vivax receptor
UniProt Protein Name	Atypical chemokine receptor 1
UniProt Gene Name	ACKR1
UniProt Synonym Gene Names	DARC; FY; GPD; GpFy
UniProt Entry Name	ACKR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd234-antibody-western-blot-immunohistochemistry-elisa/50057>