

Rabbit DARC Polyclonal Antibody | anti-DARC antibody

DARC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39791	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

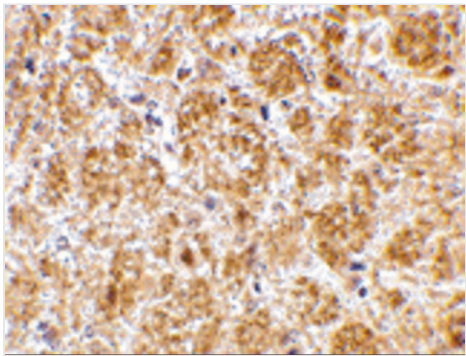
PRODUCT SYNONYMS

DARC; Polyclonal Antibody; DARC Antibody; FY; Dfy; GPD; GpFy; ACKR1; CCBP1; CD234; WBCQ1; Atypical chemokine receptor 1; Duffy blood group; chemokine receptor; anti-DARC antibody

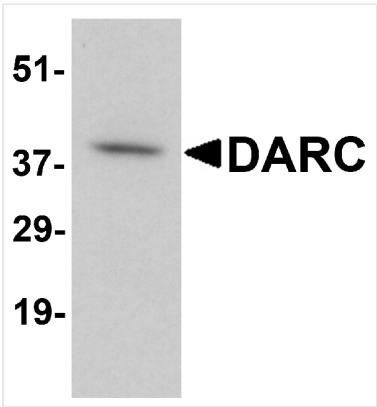
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	DARC Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	336
Applicable Applications for anti-DARC antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	DARC antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human DARC.
Buffer	DARC Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	DARC antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of DARC in mouse brain tissue with DARC antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of DARC in human cerebellum tissue lysate with DARC antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-DARC antibody	DARC Antibody: DARC, also known as the Duffy antigen/chemokine receptor, is a seven-transmembrane protein homologous to the classical chemokine G-protein coupled receptors (GPCRs) with the exception of the motif required for G protein coupling. DARC can bind with high affinity several chemokines without transducing any signal, suggesting it may modulate the signals normally induced by these chemokines. Recently, DARC was found to interact with KAI1, a four transmembrane protein recently identified as a tumor metastasis suppressor protein. It is thought that tumor cells dislodged from the primary tumor and expressing KAI1 interact with DARC proteins expressed on vascular cells, transmitting a senescent signal to the tumor cells, while tumor cells that have lost KAI1 expression can proliferate and potentially give rise to metastases. At least three isoforms of DARC are known to exist.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67476970
NCBI GeneID	2532
UniProt Accession #	Q16570; O75898; Q16300; Q8WWE3; Q9UJP0; Q9UKZ5; Q9UKZ6; Q9UQE1; A8YPG5
Molecular Weight	35,678 Da
NCBI Official Full Name	Atypical chemokine receptor 1
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; glycoprotein D; Fy glycoprotein; Duffy blood group antigen; plasmodium vivax receptor; Duffy blood group, chemokine receptor; Duffy blood group, atypical chemokine 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.