

ARG63850 anti-Duffy / FY / DARC antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Duffy / FY / DARC
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Specificity	This antibody is expected to recognize both reported isoforms (NP_001116423.1; NP_002027.2).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Duffy / FY / DARC
Species	Human
Immunogen	HRAELSPSTENSSQLDFED-C
Conjugation	Un-conjugated
Alternate Names	Dfy; GpFy; GPD; FY; WBCQ1; Atypical chemokine receptor 1; CCBP1; CD antigen CD234; CD234; Plasmodium vivax receptor; DARC; Duffy antigen/chemokine receptor; Glycoprotein D; Fy glycoprotein

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	IHC-P	3 - 5 µg/ml
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Microwaved tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links [GeneID: 2532 Human](#)

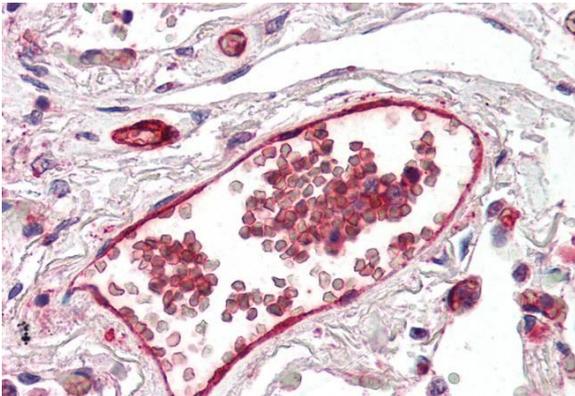
[Swiss-port # Q16570 Human](#)

Background The protein encoded by this gene is a glycosylated membrane protein and a non-specific receptor for several chemokines. The encoded protein is the receptor for the human malarial parasites *Plasmodium vivax* and *Plasmodium knowlesi*. Polymorphisms in this gene are the basis of the Duffy blood group system. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Research Area Microbiology and Infectious Disease antibody

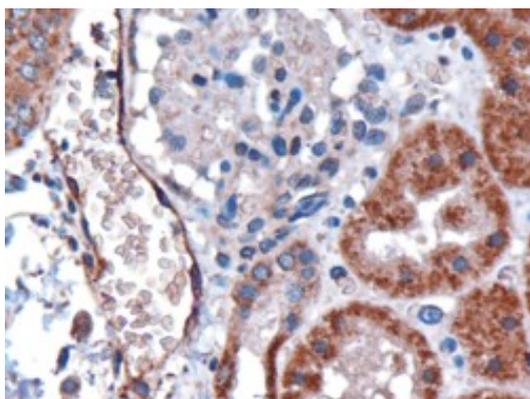
Calculated Mw 36 kDa

Images



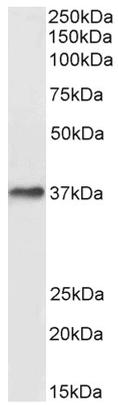
ARG63850 anti-Duffy / FY / DARC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung tissue. Antigen Retrieval: Microwaved tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63850 anti-Duffy / FY / DARC antibody at 5 µg/ml dilution followed by AP-staining.



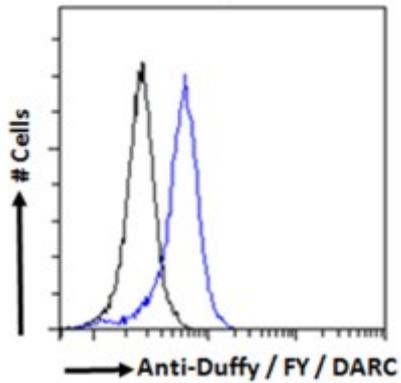
ARG63850 anti-Duffy / FY / DARC antibody IHC-P image

Immunohistochemistry: paraffin embedded human kidney. (Microwaved antigen retrieval with citrate buffer pH 6) stained with ARG63850 anti-Duffy / FY / DARC antibody at 3 µg/ml dilution followed by HRP-staining.



ARG63850 anti-Duffy / FY / DARC antibody WB image

Western blot: 35 μ g of Human liver lysate (in RIPA buffer) stained with ARG63850 anti-Duffy / FY / DARC antibody at 0.3 μ g/ml dilution and incubated at RT for 1 hour.



ARG63850 anti-Duffy / FY / DARC antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HEK293 cells permeabilized with 0.5% Triton. Cells were stained with ARG63850 anti-Duffy / FY / DARC antibody (blue line) at 10 μ g/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).