

For Research Use Only

DARC Polyclonal antibody

Catalog Number: 55185-1-AP

1 Publications



Basic Information

Catalog Number:

55185-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002036

GeneID (NCBI):

2532

UNIPROT ID:

Q16570

Full Name:

Duffy blood group, chemokine receptor

Calculated MW:

36 kDa

Observed MW:

33-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : K-562 cells,

IHC : human kidney tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CD234, also named as DARC, Duffy, FY and GPD, belongs to the G-protein coupled receptor Duffy family. It is a non-specific receptor for many chemokines such as IL-8, GRO, RANTES, MCP-1 and TARC. It is also the receptor for the human malaria parasites Plasmodium vivax and Plasmodium knowlesi. This antibody is specific to CD234.

Notable Publications

Author	Pubmed ID	Journal	Application
Xueling Zhang	38290663	Ocul Surf	WB,IF

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

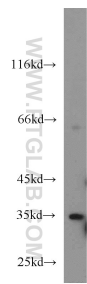
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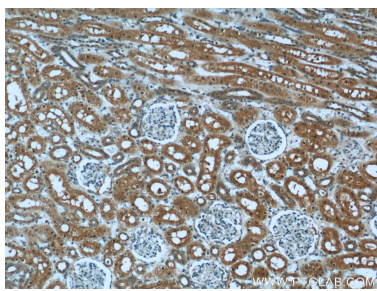
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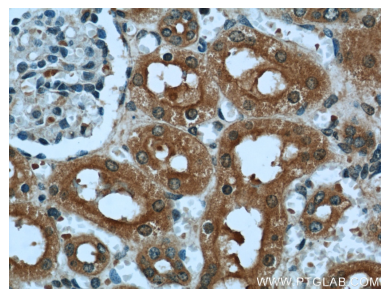
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 55185-1-AP (DARC antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 55185-1-AP (DARC antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 55185-1-AP (DARC antibody) at dilution of 1:50 (under 40x lens).