

For Research Use Only

# DARC Polyclonal antibody

Catalog Number: 55185-1-AP

1 Publications



## Basic Information

Catalog Number:

55185-1-AP

Size:

350 µg/ml

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:

IHC, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse

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

Positive Controls:

WB : K-562 cells,

IHC : human kidney tissue,

## 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

For technical support and original validation data for this product please contact:

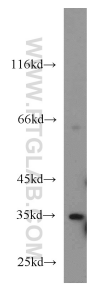
T: 4006900926

E: Proteintech-CN@ptglab.com

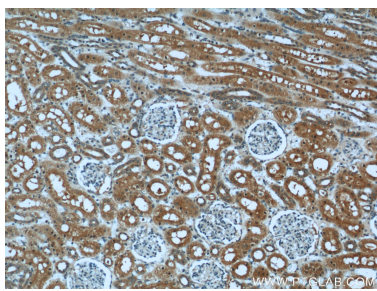
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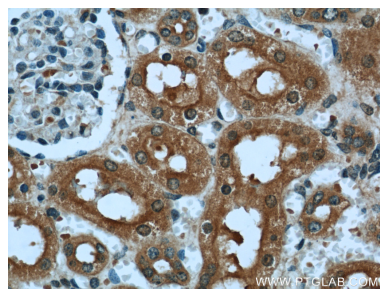
Selected Validation Data



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).