

## Rabbit anti-Human DARC Polyclonal Antibody | anti-DARC antibody

DARC Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA307468 | Rabbit | Human      | Immunohistochemistry, Western Blot, ELISA |

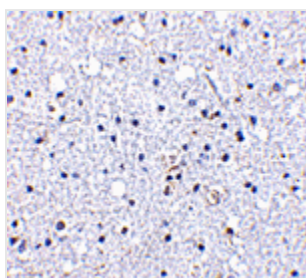
### PRODUCT SYNONYMS

DARC; Polyclonal Antibody; DARC Antibody; Duffy antigen; Fy glycoprotein; GpFy; Cell adhesion molecule 3; CADM3; anti-DARC antibody

### PRODUCT SPECIFICATIONS

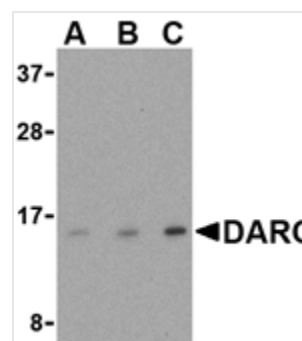
|                                                |                                                                                                                                                                                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                 |
| Reactivity                                     | Human                                                                                                                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                                                                                                             |
| Purity/Purification                            | Affinity chromatography purified via peptide column                                                                                                                                                    |
| Form/Format                                    | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                         |
| Sequence Length                                | 338                                                                                                                                                                                                    |
| Applicable Applications for anti-DARC antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                   |
| Immunogen Type                                 | Peptide                                                                                                                                                                                                |
| Immunogen Description                          | Raised against a 18 amino acid peptide from near the amino terminus of human DARC.                                                                                                                     |
| Target Name                                    | DARC                                                                                                                                                                                                   |
| Preparation and Storage                        | Can be stored at -20 degree C, stable for 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 human brain tissue with DARC antibody at 5 ug/mL.



**WB (Western Blot)**

Western blot analysis of DARC in PC-3 cell lysate with DARC antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-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. |
| Product Categories/Family for anti-DARC antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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                                          |
| 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://stage.aaabiotech.com/polyclonal/darc-antibody-immunohistochemistry-western-blot-elisa/307468>