DARC Antibody

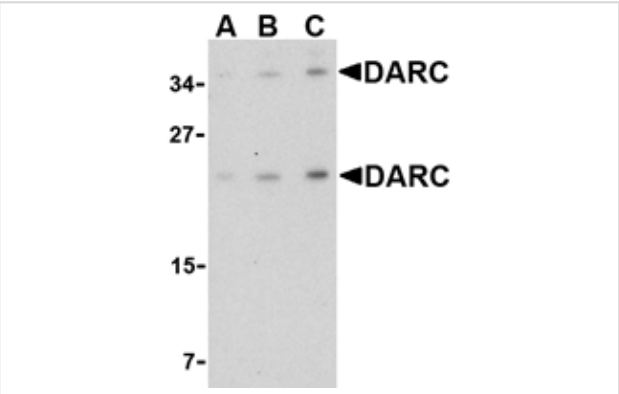
Catalog No: #24507

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

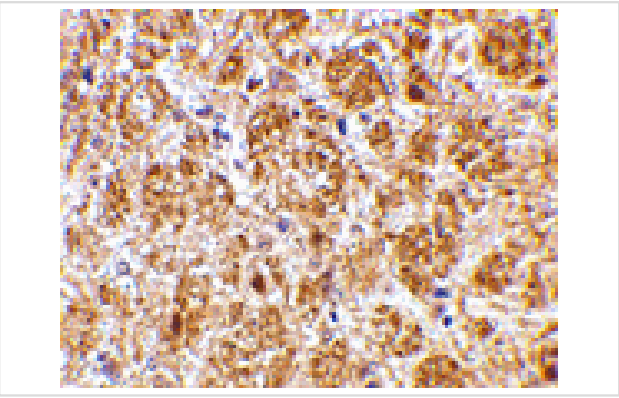
Description

Product Name	DARC Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human DARC.
Target Name	DARC
Other Names	Duffy antigen, Fy glycoprotein, GpFy, Cell adhesion molecule 3, CADM3
Accession No.	Q16570
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°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



Western blot analysis of DARC in mouse brain tissue lysate with DARC antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunohistochemistry of DARC in mouse brain tissue with DARC antibody at 2.5 ug/mL.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.