Datasheet for ABIN499712

anti-DARC antibody (N-Term)

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2 Images

Overview

Quantity:	0.1 mg
Target:	DARC
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DARC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	DARC antibody was raised against a 18 amino acid peptide from near the amino terminus of human DARC.
Isotype:	IgG
Specificity:	This antibody reacts to DARC.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	DARC
Alternative Name:	CD234 / DARC (DARC Products)

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Target Details

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.Synonyms: Duffy antigen/chemokine receptor, FY, Fy glycoprotein, GPD, Glycoprotein D, GpFy, Plasmodium vivax receptor
Gene ID:	2532
UniProt:	Q16570

Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.

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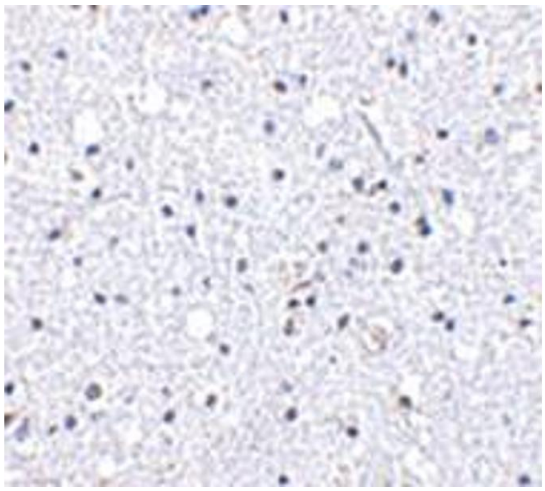
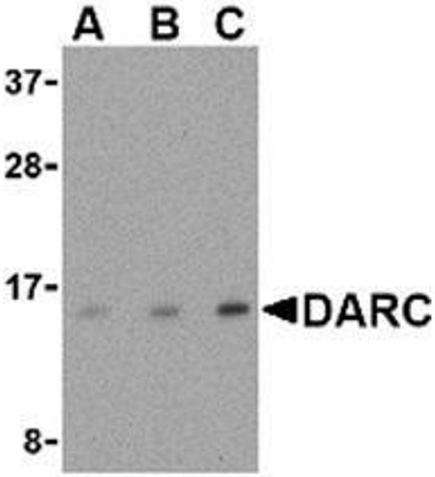


Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of DARC in human brain tissue with DARC antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of DARC in PC-3 cell lysate with AP30274PU-N DARC antibody at (A) 0.5, (B) 1 and (C) 2 µg/ml.

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