

## Anti-DARC ACKR1 Antibody

Catalog Number: A04540

### About DARC

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.

### Overview

Product Name	Anti-DARC ACKR1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-DARC ACKR1 Antibody (Catalog # A04540). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	DARC Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	DARC antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q16570

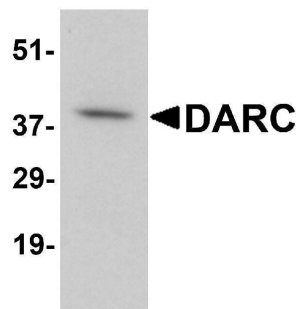
### Technical Details

Immunogen	DARC antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human DARC. The immunogen is located within the last 50 amino acids of DARC.
Predicted Reactive Species	Mouse
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	DARC Antibody is affinity chromatography purified via peptide column.

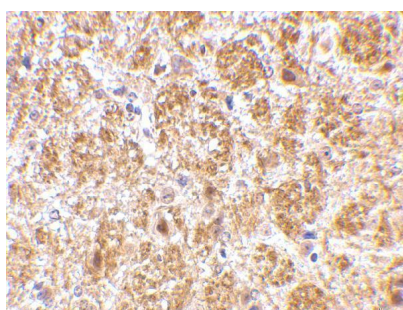
Suggested Dilutions

DARC antibody can be used for detection of DARC by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL.  
Antibody validated: Western Blot in human samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

## Anti-DARC ACKR1 Antibody (A04540) Images



Western blot analysis of DARC in human cerebellum tissue lysate with DARC antibody at 1 ug/mL.



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

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