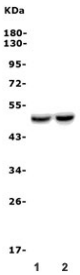
Drd4 Antibody (RQ6047)

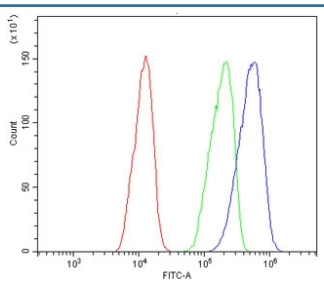
Catalog No.	Formulation	Size
RQ6047	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P51436
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Drd4 antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain lysate with Drd4 antibody. Predicted molecular weight ~48 kDa.



Flow cytometry testing of rat C6 cells with Drd4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Drd4 antibody.

Description

D(4) dopamine receptor is aproteinthat in humans is encoded by the Drd4gene. This gene encodes a protein that is necessary for the repair of ultraviolet light-damaged DNA. This protein is the smaller subunit of a heterodimeric protein complex that participates in nucleotide excision repair, and this complex mediates the ubiquitylation of histones H3 and H4, which facilitates the cellular response to DNA damage. And this subunit appears to be required for DNA binding. Mutations in this gene cause xeroderma pigmentosum complementation group E, a recessive disease that is characterized by an increased sensitivity to UV light and a high predisposition for skin cancer development, in some cases accompanied by neurological abnormalities. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Drd4 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids A57-C387) was used as the immunogen for the Drd4 antibody.

Storage

After reconstitution, the Drd4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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