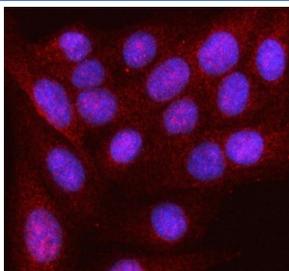


HDDC2 Antibody / HD domain-containing protein 2 (RQ8764)

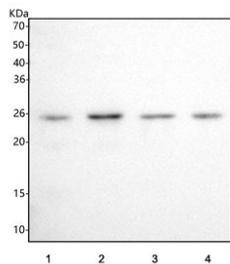
Catalog No.	Formulation	Size
RQ8764	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

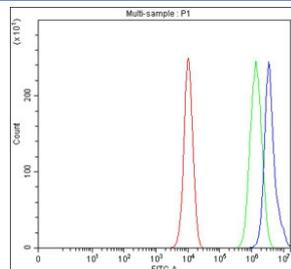
Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q7Z4H3
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This HDDC2 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with HDDC2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) K562, 3) MCF7 and 4) PC-3 cell lysate with HDHC2 antibody. Predicted molecular weight ~23 kDa.



Flow cytometry testing of fixed and permeabilized human SiHa cells with HDHC2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HDHC2 antibody.

Description

HDHC2 (HD Domain Containing 2) is located on human chromosome 6q22.31. The HDHC2 protein is ubiquitously expressed in adrenal, brain and other tissues. Structurally, the encoded protein is reported to be 27160 Da in mass. The HDHC2 (also known as C6orf74; CGI-130; NS5ATP2; dJ16705.2) gene is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, mosquito, *C.elegans*, *S.cerevisiae*, *K.lactis*, *E.gossypii*, *S.pombe*, rice, frog, etc. 239 organisms have orthologs with human gene HDHC2. HDHC2 catalyzes the dephosphorylation of the nucleoside 5'-monophosphates deoxyadenosine monophosphate (dAMP), deoxycytidine monophosphate (dCMP), deoxyguanosine monophosphate (dGMP) and deoxythymidine monophosphate (dTMP).

Application Notes

Optimal dilution of the HDHC2 antibody should be determined by the researcher.

Immunogen

An *E.coli*-derived human recombinant protein (amino acids A7-S204) was used as the immunogen for the HDHC2 antibody.

Storage

After reconstitution, the HDHC2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.