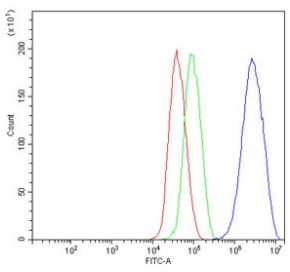
Dexras1 Antibody / RASD1 (RQ6675)

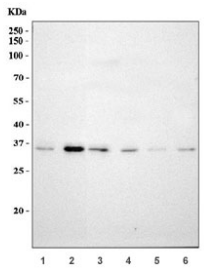
Catalog No.	Formulation	Size
RQ6675	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y272
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Dexras1 antibody is available for research use only.



Flow cytometry testing of human HepG2 cells with Dexras1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Dexras1 antibody.



Western blot testing of 1) human HeLa, 2) human HepG2, 3) rat RH35, 4) mouse brain, 5) mouse liver and 6) mouse NIH 3T3 cell lysate with Dexras1 antibody. Predicted molecular weight ~32 kDa.

Description

Dexamethasone-induced Ras-related protein 1 (RASD1) is a protein that in humans is encoded by the RASD1 gene on chromosome 17. This gene encodes a member of the Ras superfamily of small GTPases and is induced by dexamethasone. The encoded protein is an activator of G-protein signaling and acts as a direct nucleotide exchange factor for Gi-Go proteins. This protein interacts with the neuronal nitric oxide adaptor protein CAPON, and a nuclear adaptor protein FE65, which interacts with the Alzheimer's disease amyloid precursor protein. This gene may play a role in dexamethasone-induced alterations in cell morphology, growth and cell-extracellular matrix interactions. Epigenetic inactivation of this gene is closely correlated with resistance to dexamethasone in multiple myeloma cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Dexras1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-S281) was used as the immunogen for the Dexras1 antibody.

Storage

After reconstitution, the Dexras1 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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