

Rabbit Anti-Dexas1/PE Conjugated antibody

SL14284R-PE

Product Name	Anti-Dexas1/PE
Chinese Name	PE 标记的 G protein signal 传导激活蛋白 1 抗体
Alias	Activator of G protein signaling 1; Activator of G protein signaling; Activator of G-protein signaling 1; AGS 1; AGS1; Dexamethasone induced ras related protein 1; Dexamethasone-induced ras protein 1; Dexamethasone-induced Ras-related protein 1; Dexas 1; MGC:26290; RAS dexamethasone induced 1; Ras protein, Dexamethasone-induced, 1; Ras related protein; RASD 1; Rasd1; RASD1_HUMAN.
Research Area	Signal transduction Cell differentiation G protein signal
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	31kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Dexas1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: 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.[provided by RefSeq, Sep 2011]

Function:

Small GTPase. Negatively regulates the transcription regulation activity of the APBB1/FE65-APP complex via its interaction with APBB1/FE65.

Subcellular Location:

Cell membrane. Cytoplasm > perinuclear region. Nucleus.

Tissue Specificity:

Expressed in a variety of tissues including heart, cardiovascular tissues, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, gastrointestinal and reproductive tissues.

Post-translational modifications:

S-nitrosylation stimulates guanine-nucleotide exchange activity.

Similarity:

Belongs to the small GTPase superfamily. RasD family.

Database links:

[Entrez Gene: 51655](#) Human

[Entrez Gene: 19416](#) Mouse

[Omim: 605550](#) Human

[SwissProt: Q9Y272](#) Human

[SwissProt: O35626](#) Mouse

[Unigene: 25829](#) Human

[Unigene: 3903](#) Mouse



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