

Dexas1 Rabbit pAb

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Catalog # AP55506

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9Y272
Reactivity	Human, Rat
Predicted	Mouse, Chicken, Dog, Pig, Horse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31642
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Dexas1
Epitope Specificity	21-120/281
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane. Cytoplasm > perinuclear region. Nucleus.
SIMILARITY	Belongs to the small GTPase superfamily. RasD family.
Post-translational modifications	S-nitrosylation stimulates guanine-nucleotide exchange activity.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	51655
Other Names	Dexamethasone-induced Ras-related protein 1, Activator of G-protein signaling 1, RASD1, AGS1, DEXRAS1
Target/Specificity	Expressed in a variety of tissues including heart, cardiovascular tissues, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, gastrointestinal and reproductive tissues.

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

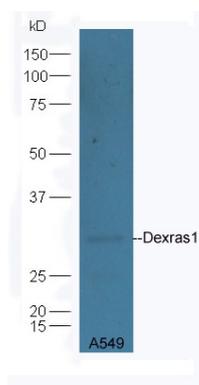
Protein Information

Name	RASD1
Synonyms	AGS1, DEXRAS1
Function	Small GTPase. Negatively regulates the transcription regulation activity of the APBB1/FE65-APP complex via its interaction with APBB1/FE65 (By similarity).
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasm, perinuclear region. Nucleus
Tissue Location	Expressed in a variety of tissues including heart, cardiovascular tissues, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, gastrointestinal and reproductive tissues

Background

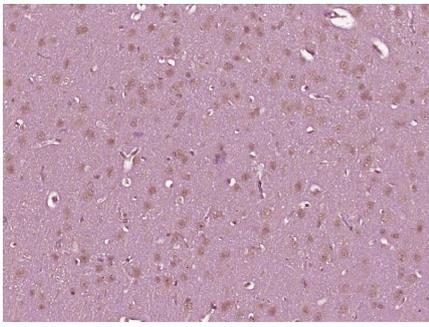
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Images



Protein:A549(human) lysates at 30ug;
 Primary: rabbit Anti-Dexas1 (AP55506) at 1:300;
 Secondary: HRP conjugated Goat-Anti-rabbit IgG(AP55506-HRP) at 1: 5000;
 Predicted band size:31 kD
 Observed band size: 31 kD

Paraformaldehyde-fixed, paraffin embedded (Rat brain);
 Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Dexas1) Polyclonal Antibody,



Unconjugated (AP55506) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.