

Dexras1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55506

Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>Q9Y272</u>

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 31642
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human Dexras1

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 S-nitrosylation stimulates guanine-nucleotide exchange activity. **modifications**

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 gape may play a role in

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,ICC=1:100-500,IF=1:100-50

0,ELISA=1:5000-10000

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

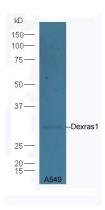
region. Nucleus

Tissue Location Expressed in a variety of tissues including heart, cardiovascular tissues, brain,

placenta, lung, liver, skeletal muscle, kidney, pancreas, gastrointestinal and

reproductive tissues

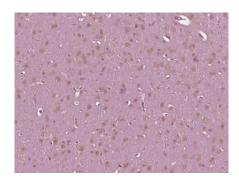
Images



Protein: A549(human) lysates at 30ug;

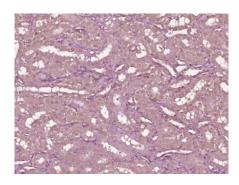
Primary: rabbit Anti-Dexras1 (AP55506) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit

IgG(bs-0295G-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 (Dexras1) 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.

Paraformaldehyde-fixed, paraffin embedded (Rat kidney); 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 (Dexras1) 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'.