

Rabbit Anti-Dexas1 antibody

SL14284R

Product Name Dexas1

Chinese Name 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, Mouse, Rat, (predicted: Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep,)
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 31kDa

Cellular localization cytoplasmic The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human Dexas1: 21-120/281

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

PubMed

[PubMed](#)

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.

Product Detail

Post-translational modifications:

S-nitrosylation stimulates guanine-nucleotide exchange activity.

Similarity:

Belongs to the small GTPase superfamily. RasD family.

SWISS:

Q9Y272

Gene ID:

51655

Database links:

[Entrez Gene: 51655](#) Human

[Entrez Gene: 19416](#) Mouse

[Omim: 605550](#) Human

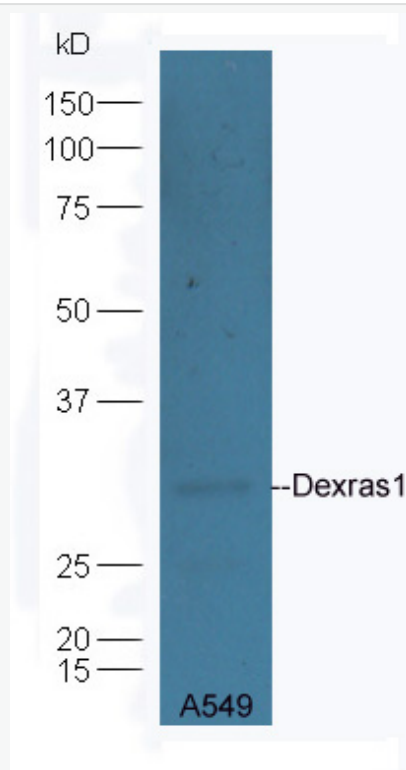
[SwissProt: Q9Y272](#) Human

[SwissProt: O35626](#) Mouse

[Unigene: 25829](#) Human

[Unigene: 3903](#) Mouse

**Product
Picture**



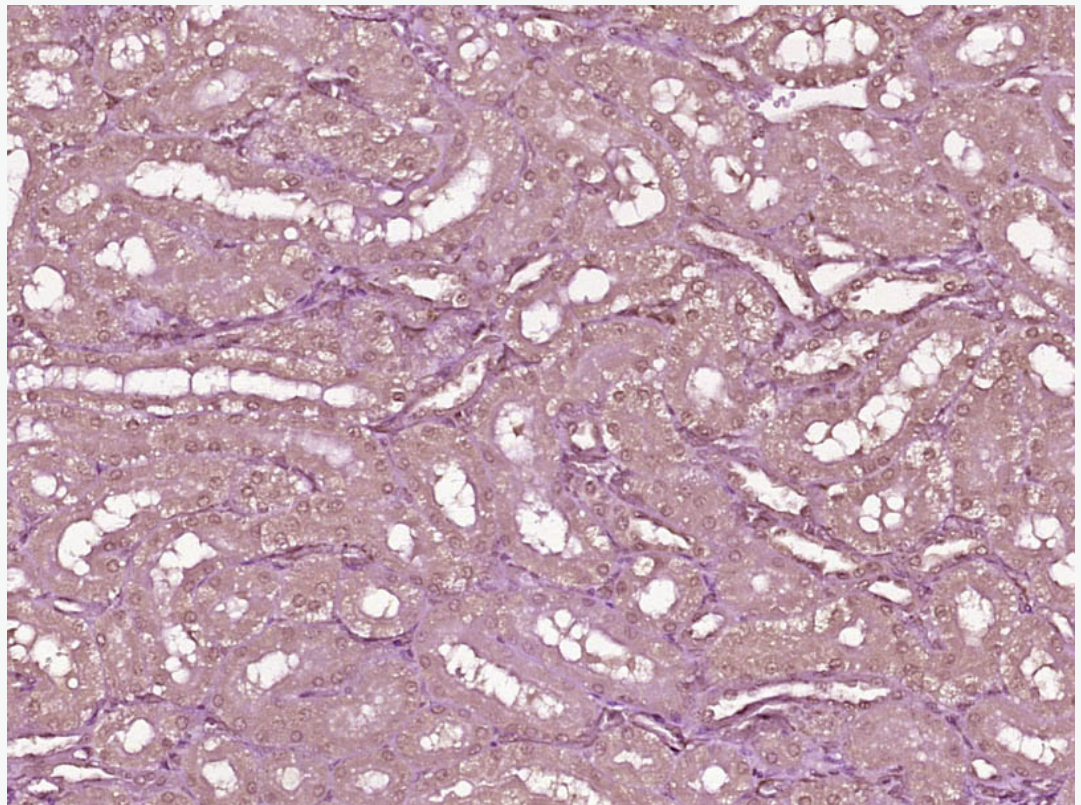
Protein:A549(human) lysates at 30ug;

Primary: rabbit Anti-Dexras1 (SL14284R) at 1:300;

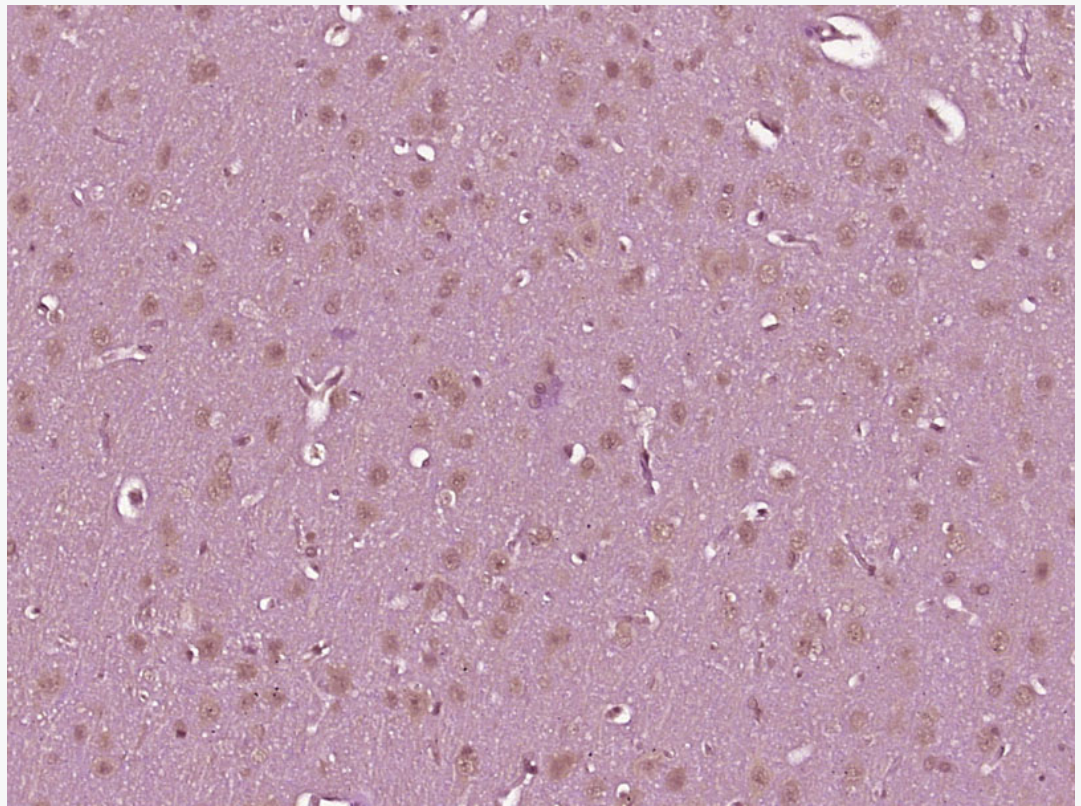
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0295G-HRP) at 1: 5000;

Predicted band size:31 kD

Observed band size: 31 kD



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 (Dexas1) Polyclonal Antibody, Unconjugated (SL14284R) 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 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 (SL14284R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.