

## **Dexras1 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55506

### **Specification**

## **Dexras1 Polyclonal Antibody - Product Information**

Application Primary Accession

Reactivity
Host
Clonality
Calculated MW
Physical State
Immunogen

**Epitope Specificity** 

Isotype **Purity** 

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

09Y272

**Rabbit** 

31 KDa

Liquid

laG

**Polyclonal** 

21-120/281

Proclin300 and 50% Glycerol.

KLH conjugated synthetic peptide derived

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

Rat, Pig, Dog, Bovine

from human Dexras1

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]

# **Dexras1 Polyclonal Antibody - 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**

<span class ="dilution\_WB">WB~~1:1000</span><br \><span class
="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_E">E~~N/A</span>

### Storage

Store at -20  $^{\circ}$ 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  $^{\circ}$ C.

## **Dexras1 Polyclonal Antibody - 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

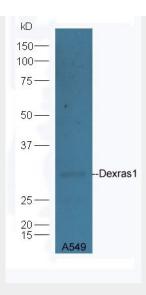
## **Dexras1 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **Dexras1 Polyclonal Antibody - Images**



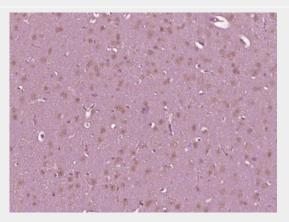


Protein: A549(human) lysates at 30ug;

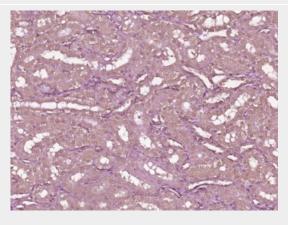
Primary: rabbit Anti-Dexras1 (bs-14284R) at 1:300;

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 (bs-14284R) 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





Tel: 858.875.1900 Fax: 858.875.1999

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 (bs-14284R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.