

Rabbit Anti-DIAPH3 antibody

SL14325R

Product Name DIAPH3

Chinese Name 耳聋常染色体显性遗传相关蛋白 3 抗体

Alias AN; AUNA1; Dia2; diap3; DIAP3_HUMAN; DIAPH3; Diaphanous homolog 3 (Drosophila); Diaphanous homolog 3; Diaphanous related formin 3; Diaphanous-related formin-3; DKFZp434C0931; DKFZp686A13178; DRF3; FLJ34705; mDia2; NSDAN; OTTHUMP00000018480; Protein diaphanous homolog 3; RP11-26P21.1.

Research Area Cell biology Neurobiology Signal transduction Cell adhesion molecule Cytoskeleton

Immunogen Species Rabbit

Clonality Polyclonal

React Species Rat(predicted:Human,Mouse,Chicken,Dog,Cow,Horse,Sheep)
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 137kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DIAPH3: 801-900/1193

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 diaphanous subfamily of the formin family. Members of this family are involved in actin remodeling and regulate cell movement and adhesion. Mutations in this gene are associated with autosomal dominant auditory neuropathy 1. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Function:

Binds to GTP-bound form of Rho and to profilin. Acts in a Rho-dependent manner to recruit profilin to the membrane, where it promotes actin polymerization. It is required for cytokinesis, stress fiber formation, and transcriptional activation of the serum response factor. DFR proteins couple Rho and Src tyrosine kinase during signaling and the regulation of actin dynamics.

Similarity:

Belongs to the formin homology family. Diaphanous subfamily.
Contains 1 DAD (diaphanous autoregulatory) domain.
Contains 1 FH1 (formin homology 1) domain.
Contains 1 FH2 (formin homology 2) domain.
Contains 1 GBD/FH3 (Rho GTPase-binding/formin homology 3) domain.

**Product
Detail**

SWISS:

Q9NSV4

Gene ID:

81624

Database links:

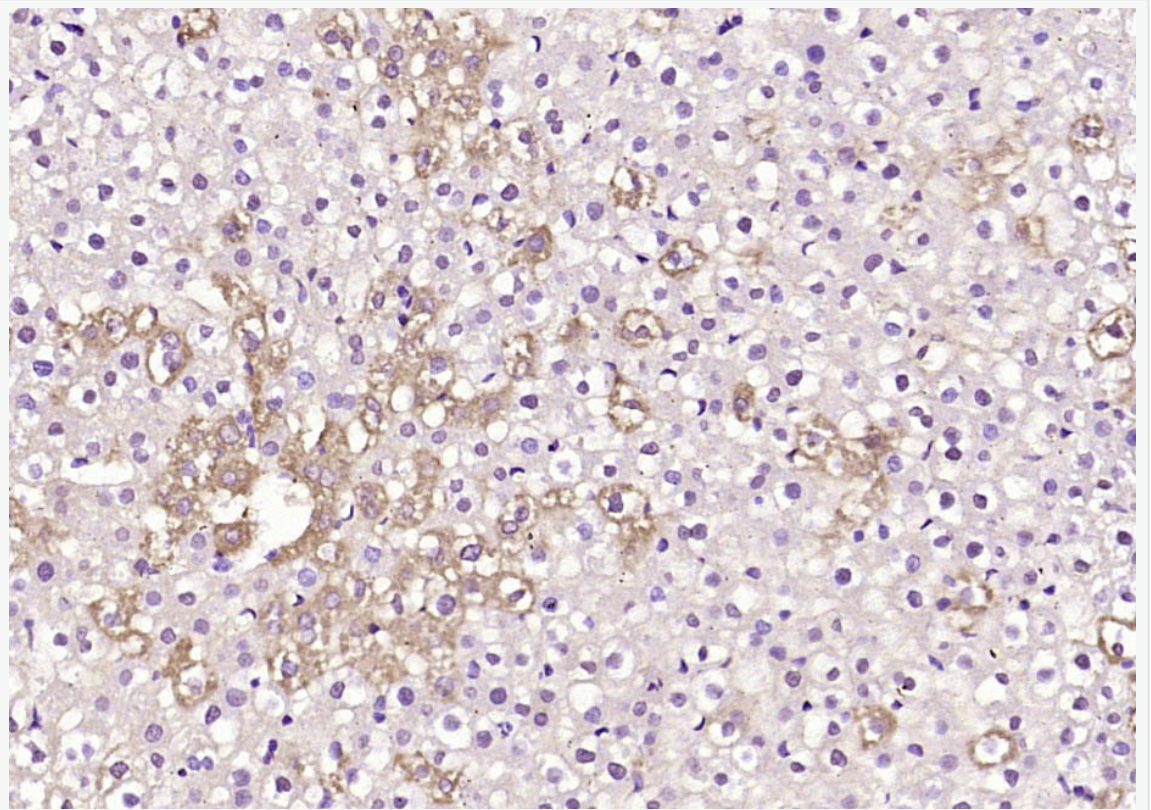
[Entrez Gene: 81624](#) Human

[Omim: 614567](#) Human

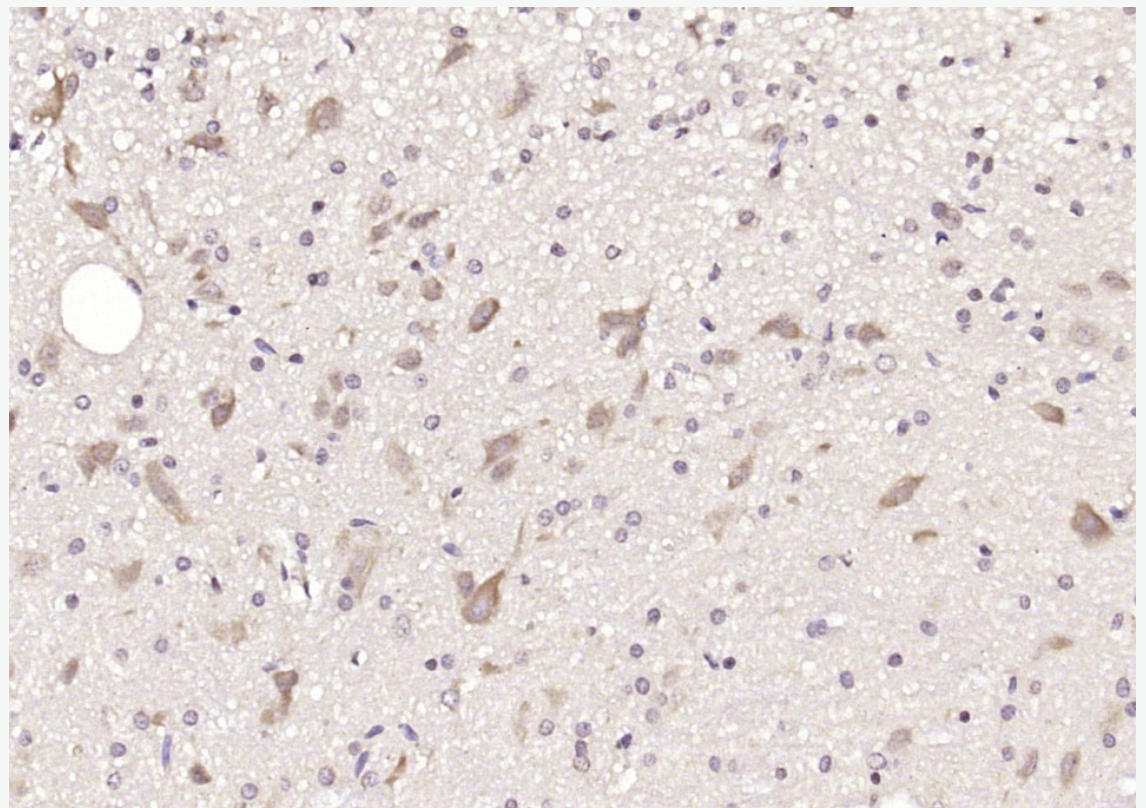
[SwissProt: Q9NSV4](#) Human

[Unigene: 283127](#) Human

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (rat liver); 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 (DIAPH3) Polyclonal Antibody, Unconjugated (SL14325R) at 1:200 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 (DIAPH3) Polyclonal Antibody, Unconjugated (SL14325R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.