Datasheet for 600-401-G95

DEDAF Antibody

Overview

Description:	Anti-DEDAF (RABBIT) Antibody - 600-401-G95
Item No.:	600-401-G95
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	DEDAF antibody detects human DEDAF. Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain (DD) death effector domain (DED), and caspase recruitment domain (CARD) containing molecules. Several molecules including caspases and adaptor FADD contain DEDs. A novel protein that interacts with DED of caspase-8 and 10, and FADD was identified recently and designated DEDAF for DED associated factor. DEDAF is identical to the transcriptional repressor RYBP. DEDAF/RYBP is expressed in multiple tissues and cell lines. DEDAF interacts with FADD and augments the formation of CD95/FADD/capase-8 complexes at the cell membrane, and interacts with DED-containing DNA biding protein (DEDD) in the nucleus indicating it is involved in the regulation of both cytoplasmic and nuclear events of apoptosis. Anti-DEDAF antibodies are ideal for investigators involved in Apoptosis and NFkappaB research.
Synonyms:	RING1 and YY1-binding protein, Apoptin-associating protein 1, APAP-1, Death effector domain-associated factor, DED-associated factor, YY1 and E4TF1-associated factor 1, RYBP, DEDAF, YEAF1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RYBP
Reactivity:	Human, Mouse, Rat

Immunogen Type:	Conjugated Peptide
Immunogen:	DEDAF Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic peptide corresponding to an internal region of human DEDAF. The sequence is identical to that of mouse origin.
Purity/Specificity:	Anti-DEDAF Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with DEDAF with Human, Mouse and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with DEDAF from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8N488 • GeneID - 23429

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DEDAF Antibody is tested for use in E, WB, IF, and IHC. Expect a band approximately ~24.8 kDa on specific lysates. Western Blot tested in human and mouse samples; Immunohistochemistry in mouse samples, and Immunofluorescence in human and mouse samples. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	20µg/mL
IHC:	5µg/mL
WB:	1µg/mL

Formulation

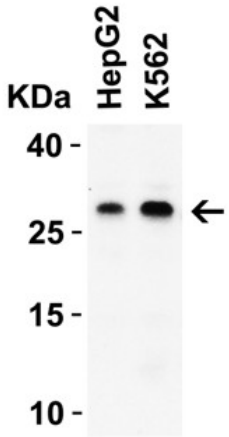
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

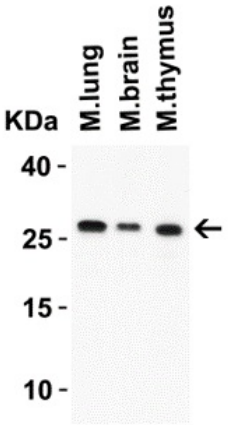
Shipping Condition:	Wet Ice

Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

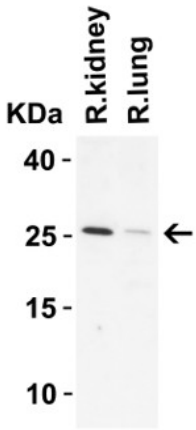
Images



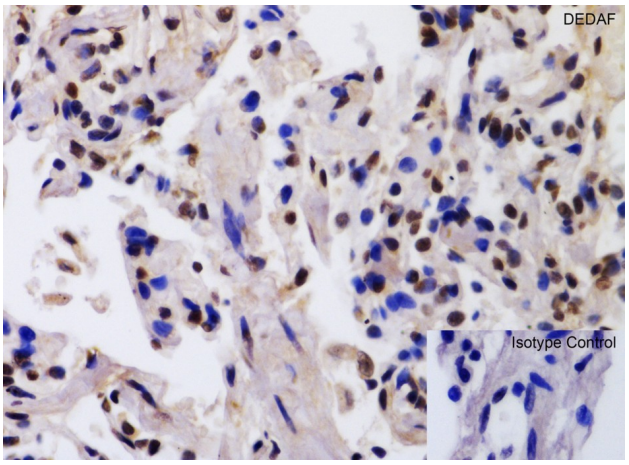
Western Blot
WB Validation in Human Cells. Loading: 15 µg of lysate. Antibodies: DEDAF, 1 µg/mL , 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



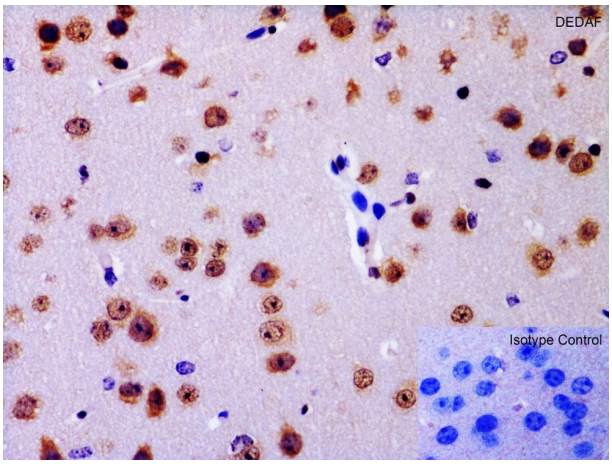
Western Blot
WB Validation in Mouse Tissues. Loading: 15 µg of lysate. Antibodies: DEDAF, 1 µg/mL, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



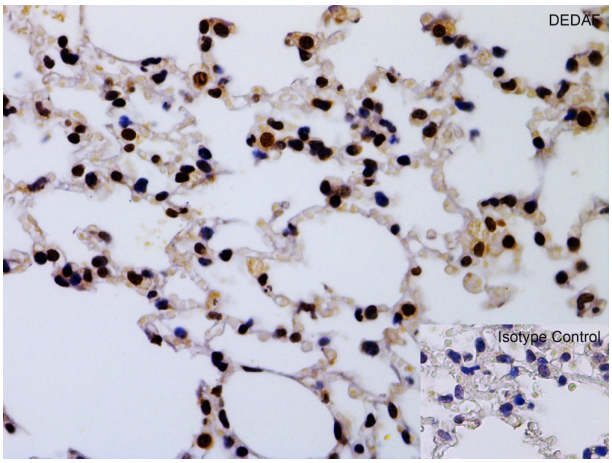
Western Blot
WB Validation in Rat Tissues. Loading: 15 µg of lysate Antibodies: DEDAF, 1 µg/mL, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry
Immunohistochemistry Validation of DEDAF in Human Lung. Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-DEDAF antibody at 2 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

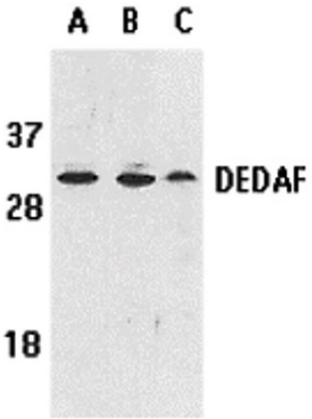


Immunohistochemistry
Immunohistochemistry Validation of DEDAF in Mouse Brain. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-DEDAF antibody at 2 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

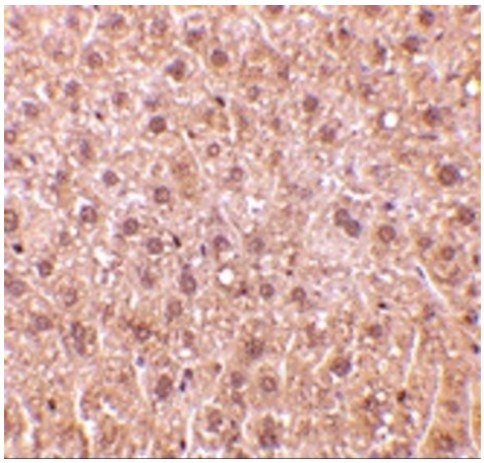


Western Blot
Immunohistochemistry Validation of DEDAF in Mouse Lung. Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-DEDAF antibody at 2 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

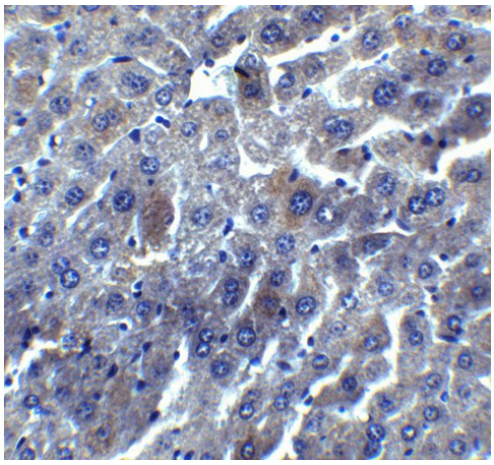
Immunohistochemistry
Immunohistochemistry Validation of DEDAF in Rat Brain. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-DEDAF antibody at 2 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



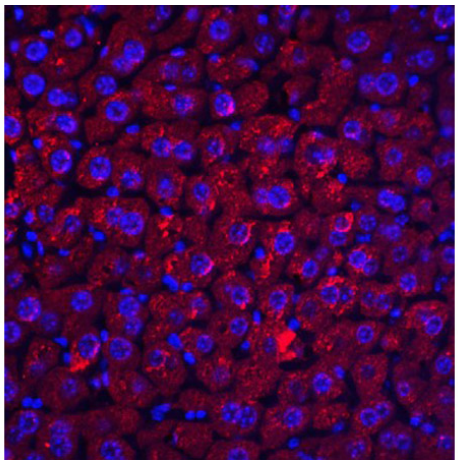
Western Blot
Western blot analysis of DEDAF.
Load: human A549 (lane A), HepG2 (lane B), and mouse 3T3 (lane C) cell lysates.
Primary Antibody: Anti-DEDAF antibody at 1 µg/ml.



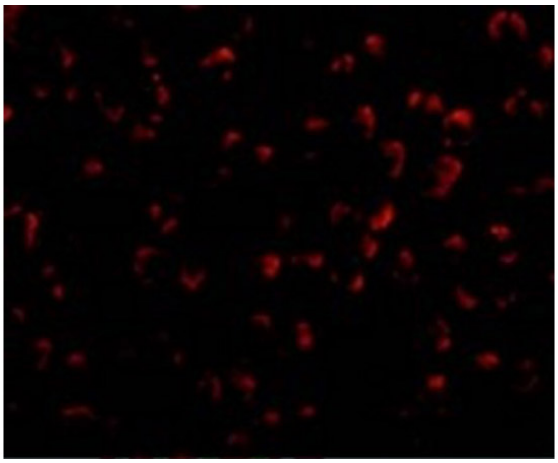
Immunohistochemistry
Immunohistochemistry of DEDAF.
Tissue: mouse liver tissue.
Primary Antibody: Anti-DEDAF antibody at 10 µg/mL.



Immunohistochemistry
Immunohistochemistry of DEDAF.
Tissue: mouse liver tissue.
Primary Antibody: Anti-DEDAF antibody at 5 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of DEDAF.
Tissue: mouse liver tissue.
Primary Antibody: Anti-DEDAF antibody at 20 µg/ml.



Immunofluorescence Microscopy
Immunofluorescence of DEDAF.
Cells: A549 cells.
Primary Antibody: Anti-DEDAF antibody at 20 µg/mL.

Disclaimer

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