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Rabbit Anti-DENN antibody

SL14268R

Product Name	DENN
Chinese Name	死亡结构域接头蛋白 DENN 抗体
Alias	Differentially expressed in normal and neoplastic cells; FLJ35600; IG20; Insulinoma glucagonoma clone 20; KIAA0358; MADD; MADD_HUMAN; MAP kinase-activating death domain protein; Rab3 GDP/GTP exchange factor; RAB3GEP.
Research Area	Tumour Cell biology Apoptosis
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat,Dog,Cow,Horse,Sheep)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	183kDa
Cellular localization	cytoplasmic The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DENN: 851-950/1647
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℃. 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

Product Detail

Tumor necrosis factor alpha (TNF-alpha) is a signaling molecule that interacts with one of two receptors on cells targeted for apoptosis. The apoptotic signal is transduced inside these cells by cytoplasmic adaptor proteins. The protein encoded by this gene is a death domain-containing adaptor protein that interacts with the death domain of TNF-alpha receptor 1 to activate mitogen-activated protein kinase (MAPK) and propagate the apoptotic signal. It is membrane-bound and expressed at a higher level in neoplastic cells than in normal cells. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Function:
Plays a significant role in regulating cell proliferation, survival and death through alternative mRNA splicing. Isoform 5 shows increased cell proliferation and isoform 2 shows decreased. Converts GDP-bound inactive form of RAB3A, RAB3C and RAB3D to the GTP-bound active forms. Component of the TNFRSF1A signaling complex: MADD links TNFRSF1A with MAP kinase activation. Plays an important regulatory role in physiological cell death (TNF-alpha-induced, caspase-mediated apoptosis); isoform 1 is susceptible to inducing apoptosis, isoform 5 is resistant and isoform 3 and isoform 4 have no effect.

Subcellular Location:
Membrane.

Tissue Specificity:
Highly expressed in fetal brain and kidney; adult testis, ovary, brain and heart. Isoform 5 is constitutively expressed in all tissues. Isoform 7 is expressed in fetal liver and in several cancer cell lines.

Similarity:
Belongs to the MADD family.
Contains 1 dDENN domain.
Contains 1 death domain.
Contains 1 DENN domain.
Contains 1 uDENN domain.

SWISS:
Q8WXG6

Gene ID:
8567

Database links:

Entrez Gene: 8567 Human

Entrez Gene: 228355 Mouse

Entrez Gene: 94193 Rat

Omim: 603584 Human

SwissProt: Q8WXG6 Human

SwissProt: Q80U28 Mouse

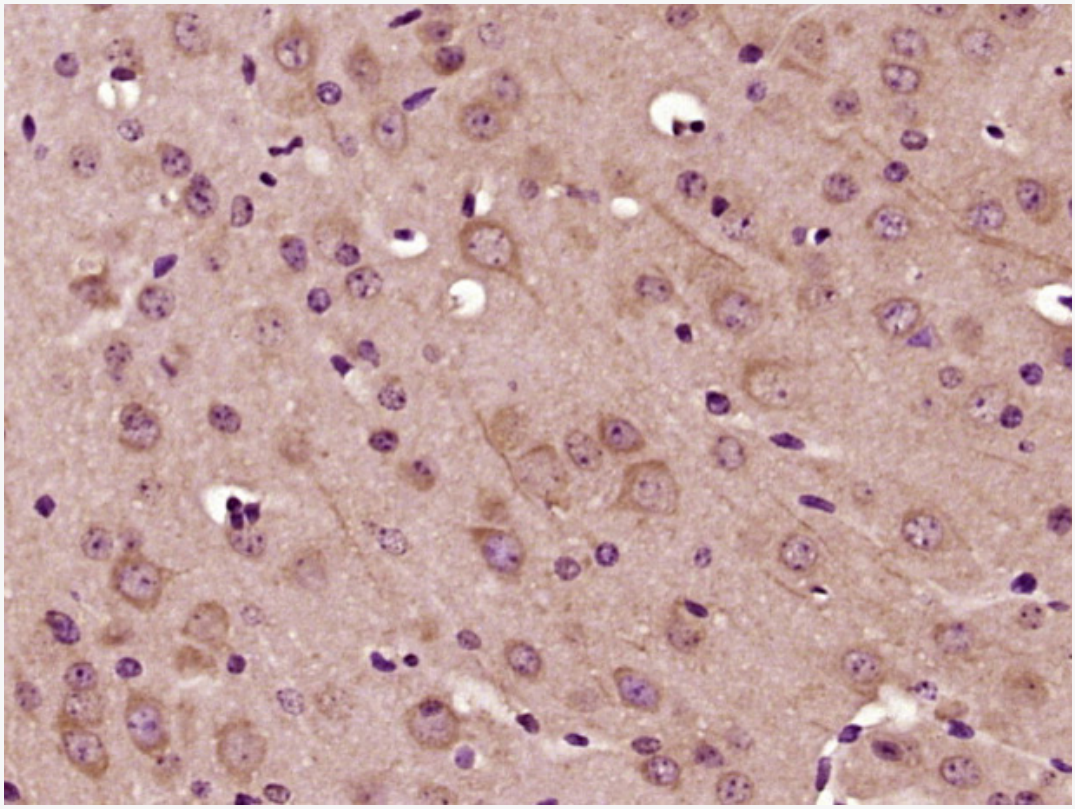
SwissProt: O08873 Rat

Unigene: 82548 Human

Unigene: 36410 Mouse

Unigene: 90117 Rat

Product Picture



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (DENN) Polyclonal Antibody, Unconjugated (SL14268R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.