

Product datasheet for **TA308779**

DAP5 (EIF4G2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse (Predicted: Rat, Rabbit, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 194 of DAP5
Formulation:	1XPBS, 40% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	102 kDa
Gene Name:	eukaryotic translation initiation factor 4 gamma 2
Database Link:	NP_001036024 Entrez Gene 13690 Mouse Entrez Gene 361628 Rat Entrez Gene 1982 Human P78344



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Background: Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F), which is a cap binding protein complex that consists of three subunits: eIF4A, eIF4E and eIF4G. The protein encoded by this gene shares similarity with the C-terminal region of eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G, in addition, contains a binding site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independent translation, this gene product functions as a general repressor of translation by forming translationally inactive complexes. In vitro and in vivo studies indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq]

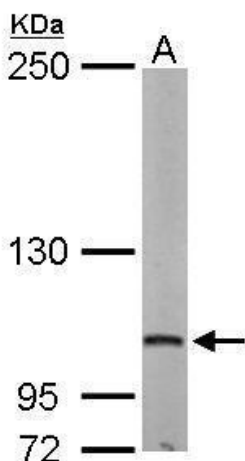
Synonyms: AAG1; DAP5; NAT1; P97

Note: Seq homology of immunogen across species: Rat (100%), Rabbit (100%), Bovine (100%)

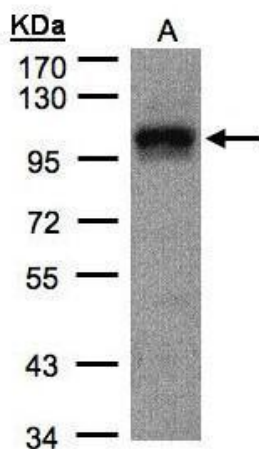
Protein Families: Transcription Factors

Protein Pathways: Viral myocarditis

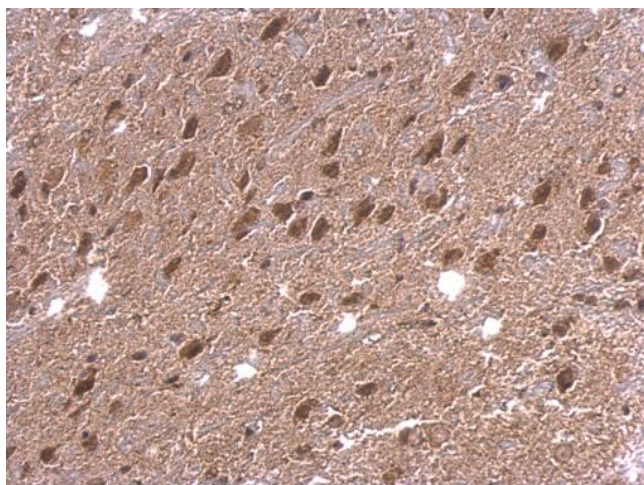
Product images:



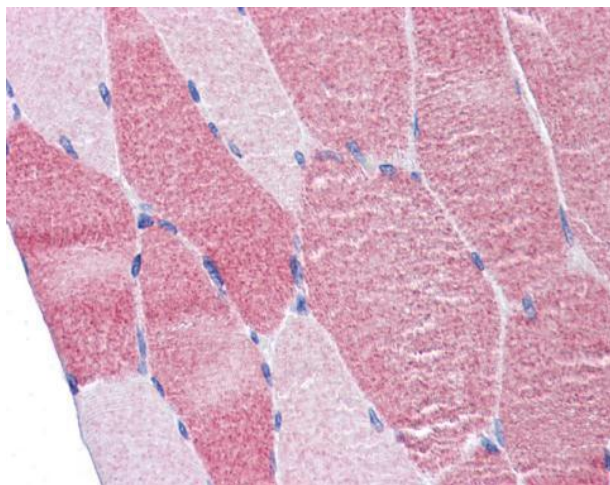
Sample (50 ug of whole cell lysate). A: Mouse brain. 5% SDS PAGE. TA308779 diluted at 1:500.



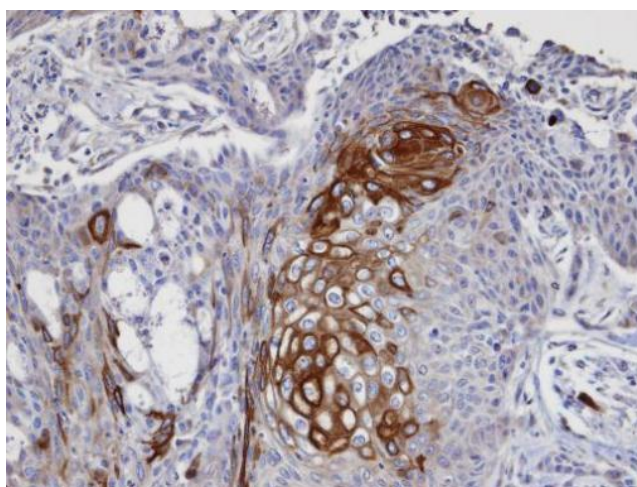
Sample (30 ug of whole cell lysate). A:A431. 7.5% SDS PAGE. TA308779 diluted at 1:1000



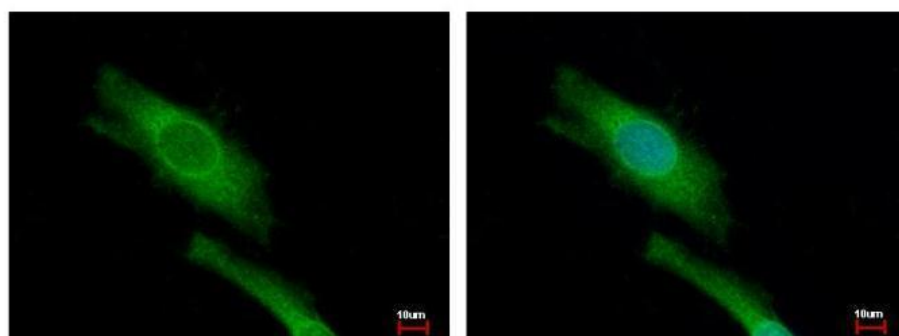
DAP5 antibody detects DAP5 protein at cytosol on mouse hind brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse hind brain. DAP5 antibody (TA308779) dilution: 1:500.



Immunohistochemical analysis of paraffin-embedded Skeletal Muscle, using DAP5 (TA308779) antibody (10 ug/ml).



Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using EIF4G2 (TA308779) antibody at 1:100 dilution.



DAP5 antibody detects EIF4G2 protein at cytoplasm by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: EIF4G2 protein stained by DAP5 antibody (TA308779) diluted at 1:500. Blue: Hoechst 33343 staining.