

Product datasheet for **AP01470PU-M**

EIF3E Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	eIF3ε antibody detects endogenous levels of eIF3ε protein. (region surrounding Val116)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 38 kDa
Gene Name:	eukaryotic translation initiation factor 3 subunit E
Database Link:	Entrez Gene 16341 Mouse Entrez Gene 3646 Human P60228



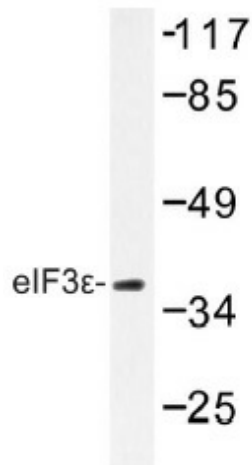
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Background:

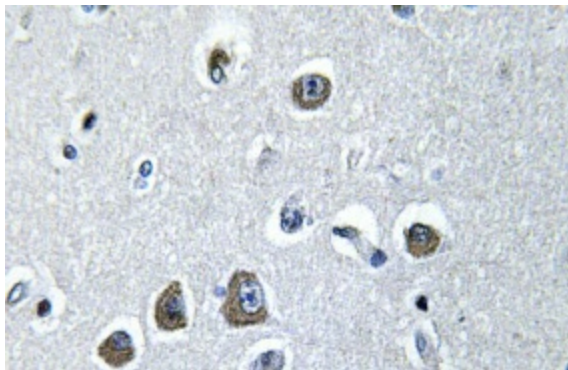
Translation initiation in eukaryotes necessitates the assembly of an 80S ribosomal complex containing methionyl initiator tRNA (Met-tRNAⁱMet), which is base paired at the initiation codon (AUG, GUG) in eligible transcripts. Eukaryotic initiation factors (eIFs) are utilized in a sequence of reactions that leads to 80S ribosomal assembly and initiation of translation. Eukaryotic initiation factor 3 (eIF3) is the largest family of eIFs and consists of at least 12 unique subunits in mammals. eIFε, also known as eIF p47, binds to the 40S ribosome and promotes the binding of methionyl-tRNAⁱ and mRNA and associates with the complex p170-eIF3.

Synonyms:

Eukaryotic translation initiation factor 3 subunit E, eIF-3 p48, INT6

Product images:


Western blot (WB) analysis of eIF3ε antibody (Cat.-No.: [AP01470PU-N]) in extracts from HepG2 cells.



Immunohistochemistry (IHC) analyzes of eIF3ε antibody (Cat.-No.: [AP01470PU-N]) in paraffin-embedded human brain tissue.