

Product datasheet for **AP01470PU-S**

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



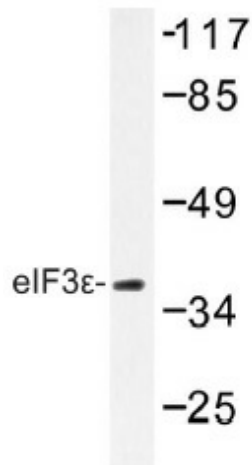
[View online »](#)

Background:

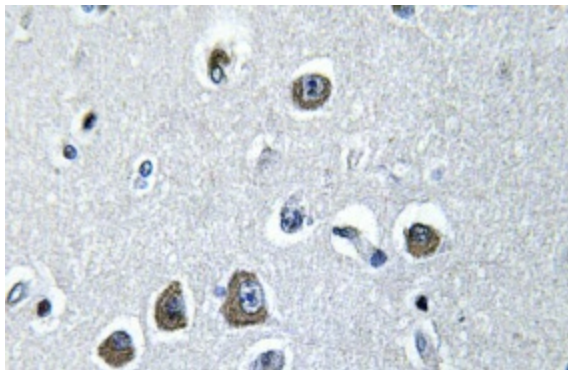
Translation initiation in eukaryotes necessitates the assembly of an 80S ribosomal complex containing methionyl initiator tRNA (Met-tRNA^{iMet}), which is base paired at the initiation codon (AUG, GUG) in eligible transcripts. Eukaryotic initiation factors (eIFs) are utilized in a sequence of reactions 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. eIF ϵ , 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.