

## Product datasheet for **AP01470PU-N**

### EIF3E Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 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:	<a href="#">Entrez Gene 16341 Mouse</a> <a href="#">Entrez Gene 3646 Human</a> <a href="#">P60228</a>



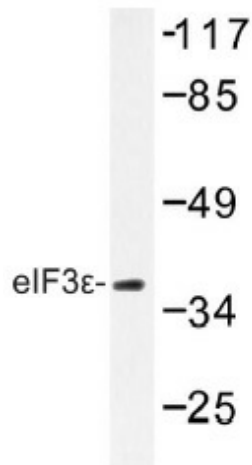
[View online »](#)

**Background:**

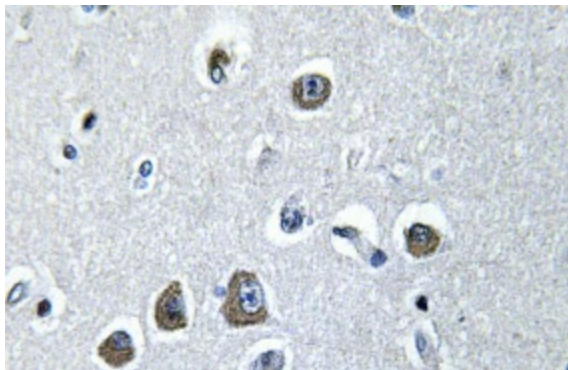
Translation initiation in eukaryotes necessitates the assembly of an 80S ribosomal complex containing methionyl initiator tRNA (Met-tRNA<sup>iMet</sup>), which is base paired at the initiation codon (AUG, GUG) in eligible transcripts. Eukaryotic initiation factors (eIFs) are utilized in a sequence of 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 $\epsilon$ , also known as eIF p47, binds to the 40S ribosome and promotes the binding of methionyl-tRNA<sup>i</sup> 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.