

## Product datasheet for **TA375826**

### EIF4E Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB,1:1000 - 1:2000
Reactivity:	Human, Mouse
Modifications:	Phospho S209
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A phospho specific peptide corresponding to residues surrounding S209 of human Phospho-eIF4E-S209
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	25kDa/27kDa/28kDa
Gene Name:	eukaryotic translation initiation factor 4E
Database Link:	<a href="#">Entrez Gene 1977 Human P06730</a>

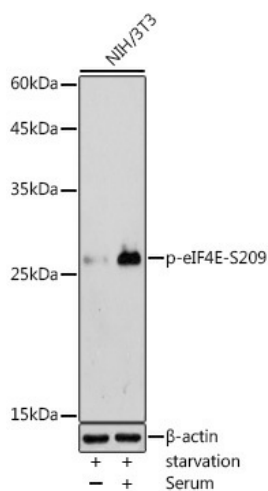
**Background:** The protein encoded by this gene is a component of the eukaryotic translation initiation factor 4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of messenger RNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the 5'-cap structure. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. This gene acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants.



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Synonyms: CBP; eIF-4E; EIF4E1; EIF4EL1; EIF4F; MGC111573

### Product images:



Western blot analysis of extracts of NIH/3T3 cells, using Phospho-eIF4E-S209 antibody (TA375826) at 1:500 dilution. NIH/3T3 cells were treated by 10% FBS at 37°C for 30 minutes after serum-starvation overnight. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Enhanced Kit. | Exposure time: 3min.