

eIF4E Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02898
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human eIF4E. AA range:168-217
Mol wt	25097
Species reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	eIF4E Antibody
Synonyms	EIF4E; EIF4EL1; EIF4F; Eukaryotic translation initiation factor 4E; eIF-4E; eIF4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Eukaryotic translation initiation factor 4E encoded by EIF4E 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. EIF4E acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. Several pseudogenes of EIF4E are found on other chromosomes. Alternative splicing results in multiple transcript variants.

Recommended Dilution

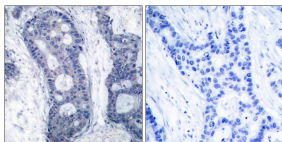
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

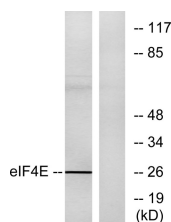
ELISA: 1: 10000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using eIF4E Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, treated with FBS, using eIF4E Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using eIF4E Polyclonal Antibody diluted at 1:1000

Storage

-20°C for one year

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