

eIF4E Antibody | anti-eIF4E antibody

eIF4E (Phospho-Ser209) Antibody

CATALOG # AAA111636	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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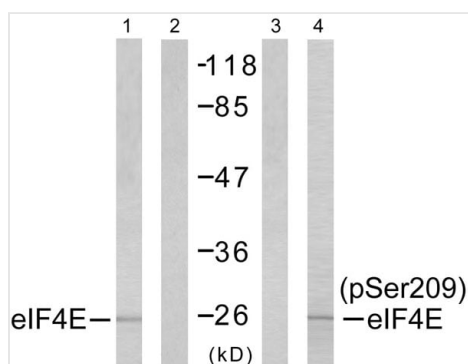
PRODUCT SYNONYMS

eIF4E; eIF4E (Phospho-Ser209) Antibody; Eukaryotic translation initiation factor 4E; IF4E; eIF-4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein; anti-eIF4E antibody

PRODUCT SPECIFICATIONS

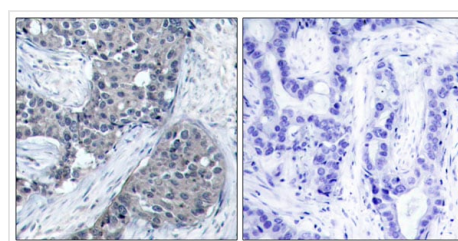
Reactivity	Human, Mouse, Rat
Specificity	eIF4E (phospho-Ser209) antibody detects endogenous levels of eIF4E only when phosphorylated at serine 209.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	237
Applicable Applications for anti-eIF4E antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human eIF4E around the phosphorylation site of serine 209 (S-G-SP-T-T).
All Sites	Human: Ser209 Mouse: Ser 209 Rat: Ser 209
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from NIH/3T3 cells untreated or treated with FBS, using eIF4E (Ab-209) antibody (Line 1 and 2) and eIF4E (Phospho-Ser209) antibody (Line 3 and 4).



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using eIF4E (phospho-Ser209) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-eIF4E antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Li BD, et al. (1998) Ann Surg; 227(5): 756-763. Altmann M, et al. (1989) Nucleic Acids Res; 17(18): 7520. De Gregorio E, et al. (2001) RNA; 7(1): 106-113. Gu W, et al. (2004) Nucleic Acids Res; 32(15): 4448-4461.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194578907
NCBI GeneID	1977
NCBI Accession #	NP_001124150.1
NCBI GenBank Nucleotide #	NM_001130678.2
UniProt Accession #	P06730; Q96E95; B7Z6V1; D6RCQ6
Molecular Weight	27,260 Da
NCBI Official Full Name	eukaryotic translation initiation factor 4E isoform 3
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4E
NCBI Official Symbol	EIF4E
NCBI Official Synonym Symbols	CBP; EIF4F; AUTS19; EIF4E1; eIF-4E; EIF4EL1
NCBI Protein Information	eukaryotic translation initiation factor 4E
UniProt Protein Name	Eukaryotic translation initiation factor 4E
UniProt Gene Name	EIF4E
UniProt Synonym Gene Names	EIF4EL1; EIF4F; eIF-4E; eIF4E

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/eif4e/111636>