

Rabbit anti-Human EIF4EBP1-T45 Antibody | anti-EIF4EBP1 antibody

Phospho-EIF4EBP1-T45 Polyclonal Antibody

CATALOG # AAA37362	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	-----------------------	----------------------------	---

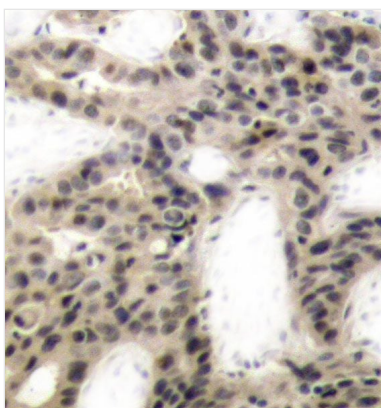
PRODUCT SYNONYMS

EIF4EBP1-T45; Phospho-EIF4EBP1-T45 Polyclonal Antibody; Phospho-EIF4EBP1-T45: BP-1; 4EBP1; 4E-BP1; PHAS-I; anti-EIF4EBP1 antibody

PRODUCT SPECIFICATIONS

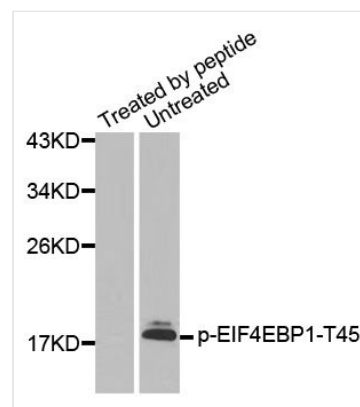
Host	Rabbit
Reactivity	Human
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	118
Applicable Applications for anti-EIF4EBP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A phospho specific peptide corresponding to residues surrounding T45 of human EIF4EBP1
Calculated Molecular Weight	18kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast carcinoma using Phospho-EIF4EBP1-T45 antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using Phospho-EIF4EBP1-T45 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF4EBP1 antibody	This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.
Product Categories/Family for anti-EIF4EBP1 antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	34921508
NCBI GeneID	1978
UniProt Accession #	Q13541; Q6IBN3; B2R502; D3DSW8
Molecular Weight	118
NCBI Official Full Name	Eukaryotic translation initiation factor 4E-binding protein 1
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4E binding protein 1
NCBI Official Symbol	EIF4EBP1
NCBI Official Synonym Symbols	BP-1; 4EBP1; 4E-BP1; PHAS-I
NCBI Protein Information	eukaryotic translation initiation factor 4E-binding protein 1; eIF4E-binding protein 1; phosphorylated heat- and acid-stable protein regulated by insulin 1
UniProt Protein Name	Eukaryotic translation initiation factor 4E-binding protein 1
UniProt Gene Name	EIF4EBP1
UniProt Synonym Gene Names	4E-BP1; eIF4E-binding protein 1; PHAS-I
UniProt Entry Name	4EBP1_HUMAN

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.