4E-BP1(Phospho-Thr37) Antibody

Catalog No: #11222

Package Size: #11222-1 50ul   #11222-2 100ul

Description

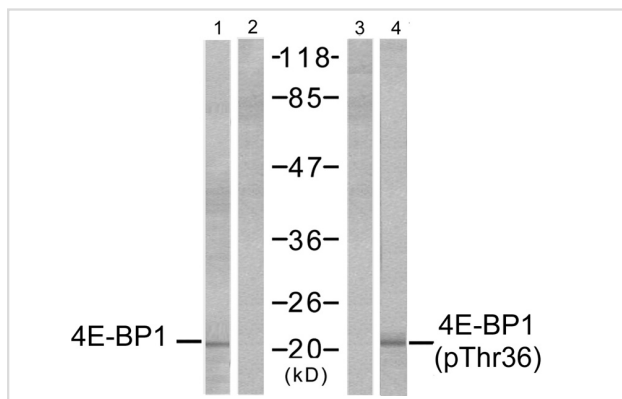|	
Product Name	4E-BP1(Phospho-Thr37) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of 4E-BP1 only when phosphorylated at threonine 36.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 37(S-T-T(p)-P-G) derived from Human 4E-BP1.
Target Name	4E-BP1
Modification	Phospho
Other Names	BP-1; 4EBP1; 4E-BP1; PHAS-I;
Accession No.	Swiss-Prot: Q13541; NCBI Gene ID: 1978; NCBI mRNA: NM_004095.3; NCBI Protein: NP_004086.1
Uniprot	Q13541
GeneID	1978;
SDS-PAGE MW	18KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

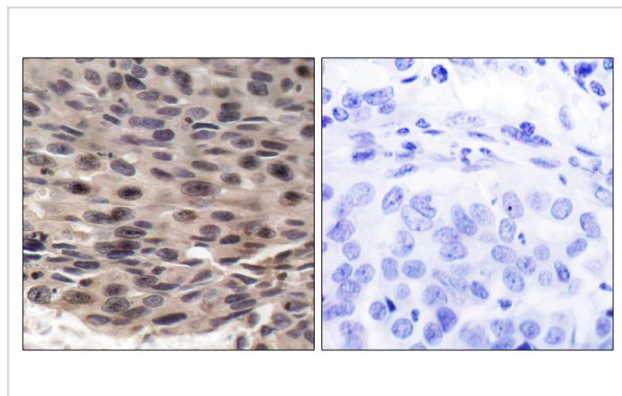## Application Details

Predicted MW: 18kd

Western blotting : 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images

Western blot analysis of extracts from MDA-MB-435 cells, untreated or EGF-treated (200 ng/ml, 30min), using 4E-BP1 (Ab-37) antibody (#21215, Lane 1 and 2) and 4E-BP1 (phospho-Thr37) antibody (#11222, Lane 3 and 4).

Immunohistochemical analysis of paraffin-embedded human breast carcinoma, using 4E-BP1 (phospho-Thr36) antibody (#11222).

Background

Regulates eIF4E activity by preventing its assembly into the eIF4F complex. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways.

Note: This product is for in vitro research use only