Anti-Phospho-4E-BP1 (Thr37) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P012262

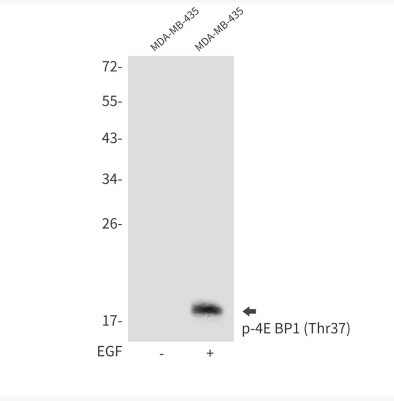
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Synthetic peptide of human EIF4EBP1
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-4E-BP1 (Thr37) antibody is for research use only and not for use in diagnostic or therapeutic procedures.

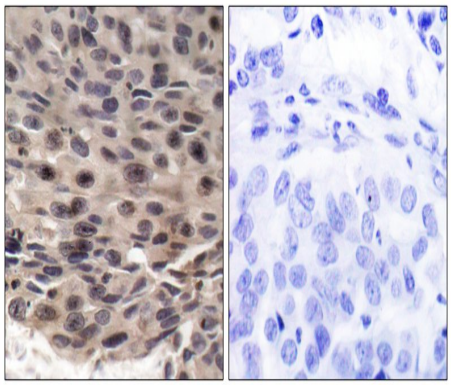
Protein Information

Synonyms	EIF4EBP1, Eukaryotic translation initiation factor 4E-binding protein 1, 4E-BP1, eIF4E-binding protein 1, Phosphorylated heat- and acid-stable protein regulated by insulin 1, PHAS-I.
Calculated MW	Calculated MW: 13 kDa; Observed MW: 18 kDa
Uniprot ID	Q13541
Gene ID	1978
Background	Translation repressor protein 4E-BP1 (also known as PHAS-1) inhibits cap-dependent translation by binding to the translation initiation factor eIF4E. Hyperphosphorylation of 4E-BP1 disrupts this interaction and results in activation of cap-dependent translation. Both the PI3 kinase/Akt pathway and FRAP/mTOR kinase regulate 4E-BP1 activity.

Validation Images



Western blot analysis of Phospho-4E BP1 (Thr37) in MDAMB435 lysates using Phospho-4E BP1 (Thr37) antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma, using 4EBP1 (Phospho-Thr36) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.