

EnoGene

4E-BP1 (Ab-45) Antibody

E 11-7002B

Catalog Number: E11-7002B

Amount: 100µg/100µl

Swiss-Prot No. : Q13541

All Names: 4EBP1, EIF4EBP1, Eukaryotic translation initiation factor 4E binding protein 1, Insulin-stimulated EIF-4E binding protein PHAS-1, P/OKCL6, PHAS-1, PHAS-1

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from human 4F-BP1 around the phosphorylation site of threonine 45 (S-T-T^P-P-G).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: 4E-BP1 (Ab-45) antibody detects endogenous levels of total 4E-BP1 protein. This antibody may cross-react with 4E-BP2 and 4E-BP3.

Reactivity: Human, Mouse, Rat

Applications: WB: 1:500~1:1000 IHC: 1:50~1:100

FI ISA: 1:20000

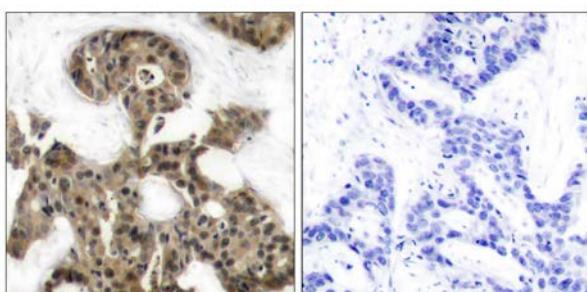
References: Gingras AC, et al. (1998) *Genes Dev* 12(4): 502-513.

Brugarolas J. et al. (2004) *Genes Dev.* 18(23): 2893-2904

Kumar V. et al. (2000) EMBO J 19(5): 1087-1097

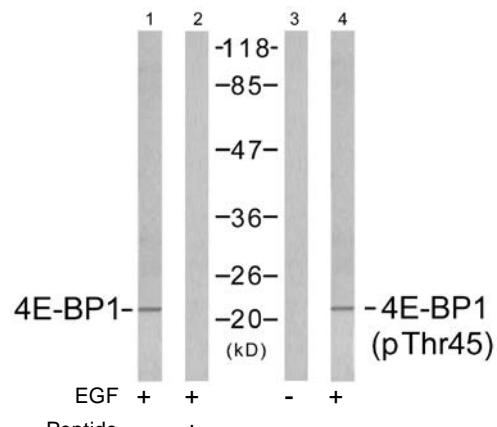
Moody CA, et al. (2005). J Virol 79(9): 5499-5506

Burnett PE, et al. (1998) Proc Natl Acad Sci U S A 95(4): 1432-1437



Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using 4E-BP1 (Ab-45) antibody (#B7002).



Western blot analysis of extracts from MDA-MB-435 cells untreated or treated with EGF (200ng/ml, 5min), using 4E-BP1 (Ab-45) antibody (Line1 and 2) and 4E-BP1 (phospho-Thr45) antibody (Line 3 and 4).

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