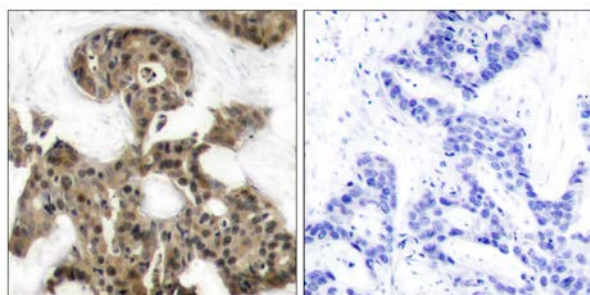




4E-BP1 (Ab-45) Antibody

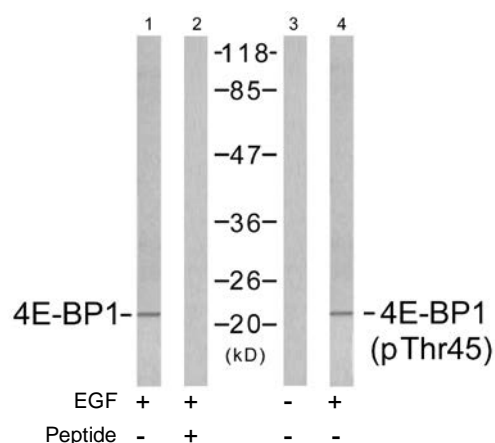
E11-7002B

- 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-I, P/OKCL6, PHAS-1, PHAS-I
- 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 4E-BP1 around the phosphorylation site of threonine 45 (S-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
ELISA: 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).

For Research Use Only