

Enogene

4E-BP1 (Ab-45) Antibody

E021216

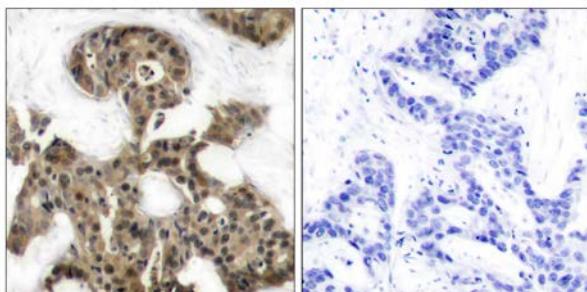
Catalog Number: E021216-1, E021216-2**Amount:** 50 μ g/50 μ l, 100 μ g/100 μ l**Swiss-Prot No.:** Q13541**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Storage/Stability:** Store at -20°C/1 year**Immunogen:** The antiserum was produced against synthesized non-phosphopeptide derived from human 4E-BP1 around the phosphorylation site of threonine 45 (S-T-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**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.

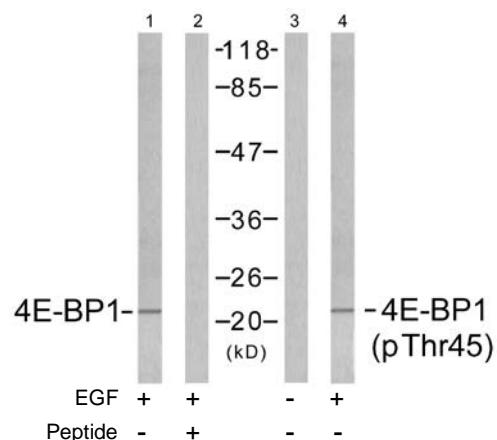
Moody CA, et al. (2005) J Virol 79(9): 5499-5506.

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 (E021216).



Western blot analysis of extracts from MDA-MB-435 cells untreated or treated with EGF (200ng/ml, 5min), using 4E-BP1 (Ab-45) antibody (E021216, Lane1 and 2) and 4E-BP1 (phospho-Thr45) antibody (E011223, Lane 3 and 4).