EGFR(Phospho-Tyr1172) Antibody

Catalog No: #11220

Package Size: #11220-1 50ul #11220-2 100ul #11220-4 25ul

Overview

Product Name	EGFR(Phospho-Tyr1172) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	EGFR
Modification	Phospho-Tyr1172
Alternative Names	ERBB1; Receptor protein-tyrosine kinase ErbB-1; kinase EGFR

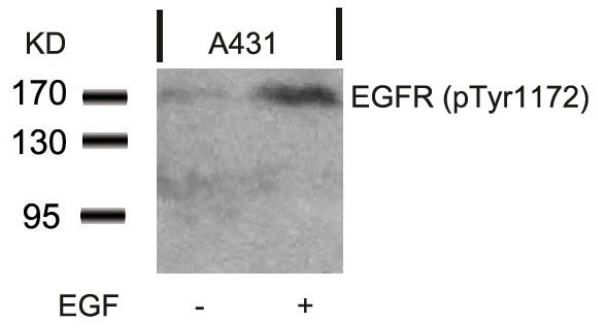
Application Details

Predicted MW: 175kd

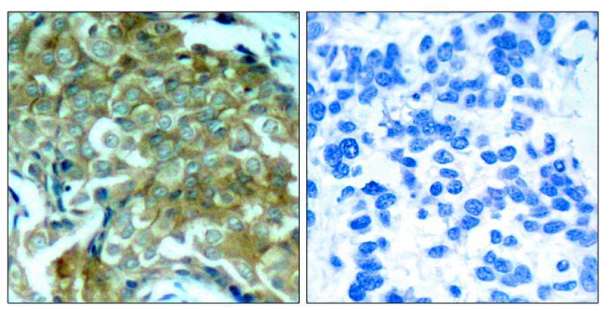
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from A431 cells untreated or treated with EGF using EGFR(Phospho-Tyr1172) Antibody #11220.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using EGFR(Phospho-Tyr1172) Antibody #11220(left) or the same antibody preincubated with blocking peptide(right).

Descriptions

Immunogen	Peptide sequence around phosphorylation site of tyrosine 1172 (P-D-Y(p)-Q-Q) derived from Human EGFR.
Specificity	The antibody detects endogenous level EGFR only when phosphorylated at tyrosine 1172.
Purifiction	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.
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 for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P00533NCBI Protein: NP_005219.2

Related Information

Receptor for EGF, but also for other members of the EGF family, as TGF-a, amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the control of cell growth and differentiation. Phosphorylates MUC1 in breast cancer cells and increases the interaction of MUC1 with SRC and CTNNB1/beta-catenin.

Noguchi T, et al. (1994) Mol Cell Biol 14(10): 6674-6682
Doherty JK, et al. (1999) Proc Natl Acad Sci U S A 96(19): 10869-10874
Kanner SB, et al. (1991) Mol Cell Biol 11(2): 713-720
Wu TT, et al. (1998) Mol Biol Cell 9(7): 1661-1674
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Published Papers

Yang W, Zheng Y, Xia Y el at., ERK1/2-dependent phosphorylation and nuclear translocation of PKM2 promotes the Warburg effect., Nature Cell Biology, 14(12):1295-1304(2012)

PMID:23178880