

EGFR(Phospho-Tyr1172) Antibody

Catalog No: #11220

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	EGFR(Phospho-Tyr1172) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	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 chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level EGFR only when phosphorylated at tyrosine 1172.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 1172 (P-D-Y(p)-Q-Q) derived from Human EGFR.
Target Name	EGFR
Modification	Phospho
Other Names	ERBB1; Receptor protein-tyrosine kinase ErbB-1; kinase EGFR
Accession No.	Swiss-Prot: P00533NCBI Protein: NP_005219.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.

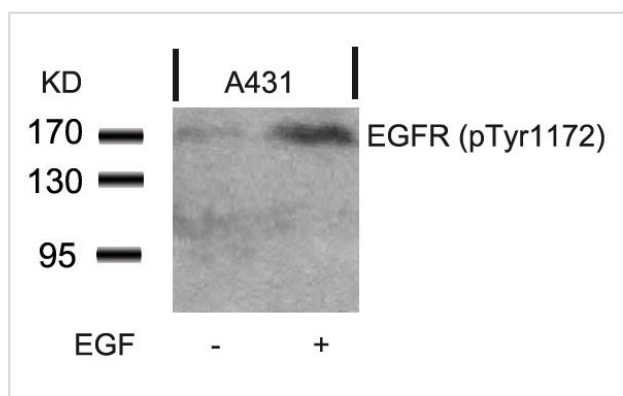
Application Details

Predicted MW: 175kd

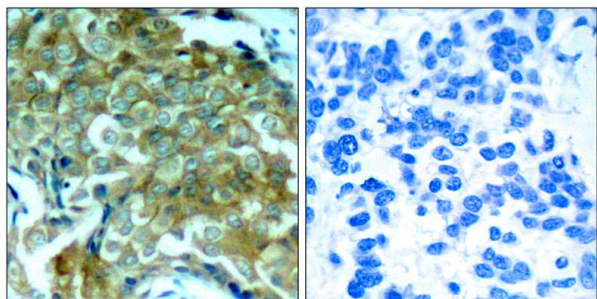
Western blotting: 1:500~1:1000

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).

Background

Receptor for EGF, but also for other members of the EGF family, as TGF- α , 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.

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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

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Published Papers

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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)
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el at., PKM2 Phosphorylates Histone H3 and Promotes Gene Transcription and Tumorigenesis. In Cell on 2012 Aug 17 by Weiwei Yang, Yan Xia, et al..PMID: 22901803, , (2012)

[PMID:22901803](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.