

#11228

EGFR (Phospho-Tyr1197) Antibody

Catalog: #11228-1 50µl **Orders:** order@signalwayantibody.com
#11228-2 100µl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com



Application	Species Reactivity	Source	Molecular Wt.
WB IHC	Human Mouse Rat	Rabbit Polyconal Ab	175KD

Description: 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.

Specificity: The antibody detects endogenous level of EGFR only when phosphorylated at tyrosine 1197.

Immunogen: Peptide sequence around phosphorylation site of tyrosine 1197 (A-E-Y(p)-L-R) derived from Human EGFR.

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.

Synonyms: ERBB1 Receptor protein-tyrosine kinase ErbB-1 kinase EGFR

Accession No.: Swiss-Prot#: P00533 NCBI Gene#: 1956
NCBI Protein#: NP_005219.2

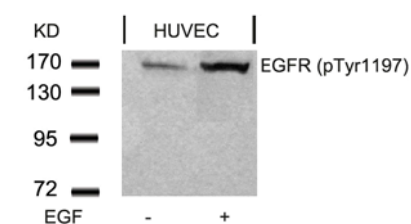
Background: Receptor for EGF, but also for other members of the EGF family, as TGF- α , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the control of cell growth and differentiation. Phosphorylates MUC1 in breast cancer cells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

References:

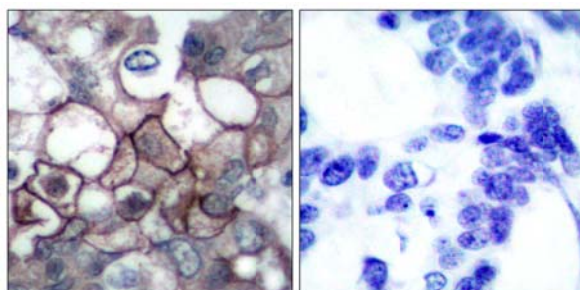
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Wu TT, et al. (1998) Mol Biol Cell; 9(7): 1661-1674
O'Rourke DM, et al. (1997) Proc Natl Acad Sci U S A; 94(7): 3250-3255
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Recommended Dilutions:

Western blotting 1:500~1:1000
Immunohistochemistry 1:50~1:100



Western blot analysis of extracts from HUVEC cells untreated (or treated with EGF using EGFR (Phospho-Tyr1197) Antibody #11228.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using EGFR (Phospho-Tyr1197) Antibody #11228 (left) or the same antibody preincubated with blocking peptide (right).

Citation:

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Related Pathway: Receptors, Kinases/Phosphatases

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.