Product Datasheet

EGFR(Phospho-Tyr869) Antibody

Catalog No: #11229

Package Size: #11229-1 50ul #11229-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

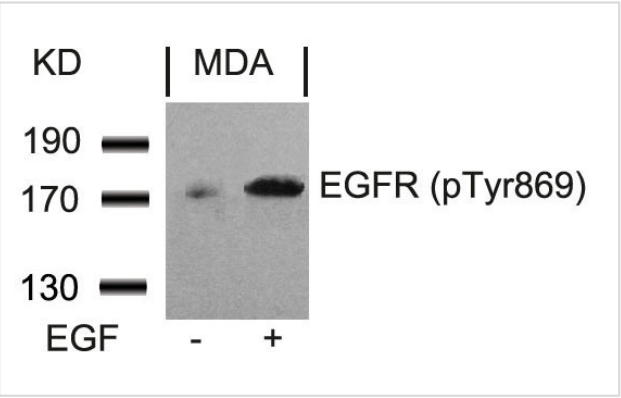
Product Name	EGFR(Phospho-Tyr869) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of EGFR only when phosphorylated at tyrosine 869.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 869 (K-E-Y(p)-H-A) derived from Human EGFR.
Conjugates	Unconjugated
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
Calculated MW	135 kDa
SDS-PAGE MW	175 kDa
Concentration	1.0mg/ml
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.

Application Details

Predicted MW: 175kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from MDA cells untreated or treated with EGF using EGFR(Phospho-Tyr869) Antibody #11229.

Background

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.

Inoue A, et al. (2005) PLoS Med; 2(1): e13
Sun H, et al. (2004) EMBO J; 23(1): 100-110
Kanner SB, et al. (1991) Mol Cell Biol; 11(2): 713-720
Wu TT, et al. (1998) Mol Biol Cell; 9(7): 1661-1674
O

Published Papers

el at., EGFR-Phosphorylated Platelet Isoform of Phosphofructokinase 1 Promotes PI3K Activation. IN Mol Cell.On 2018 Apr 19 by Lee JH, Liu R et al..PMID:29677490, , (2018)

PMID:29677490

el at., Secreted and O-GlcNAcylated MIF binds to the human EGF receptor and inhibits its activation.In Nat Cell Biol on 2015 Oct by Yanhua Zheng, Xinjian Li et al..PMID:26280537 , , (2015)

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el at., Mutual regulation between phosphofructokinase 1 platelet isoform and VEGF promotes glioblastoma tumor growth. In Cell Death Dis on 2022 Nov 26 by Je Sun Lim, YuJie Shi, et al..PMID:36435833, , (2022)

PMID:36435833

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