Product Datasheet

EGFR(Phospho-Thr678) Antibody

Catalog No: #11186

Package Size: #11186-1 50ul #11186-2 100ul

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

Description

Product Name	EGFR(Phospho-Thr678) 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 IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level EGFR only when phosphorylated at threonine 678.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 678 (K-R-T(p)-L-R) 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
Uniprot	P00533
GeneID	1956;
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.

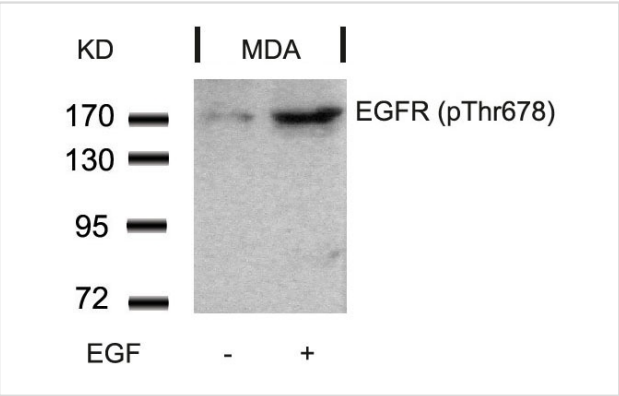
Application Details

Predicted MW: 175kd

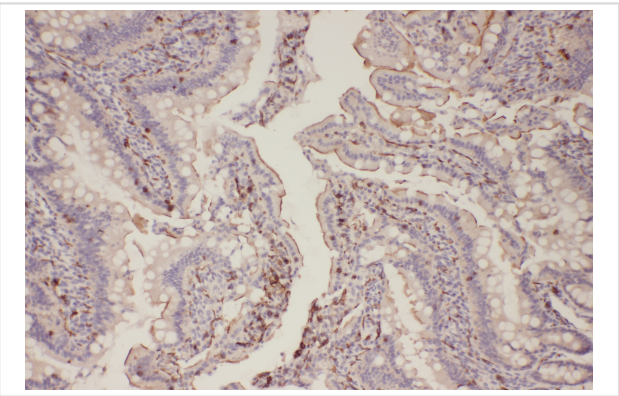
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from MDA cells untreated or treated with EGF using EGFR(Phospho-Thr678) Antibody #11186.



Immunohistochemical analysis of paraffin-embedded Rat Colorectal tissue using EGFR (Phospho-Thr678) Antibody #11186.

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.

Doherty JK, et al. (1999) Proc Natl Acad Sci U S A; 96(19): 10869-10874

Wu TT, et al. (1998) Mol Biol Cell; 9(7): 1661-1674

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Note: This product is for in vitro research use only