

EGFR Antibody

Catalog No: #21073



Package Size: #21073-1 50ul #21073-2 100ul

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

Description

Product Name	EGFR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB;IHC;IF
Species Reactivity	Human
Specificity	The antibody detects endogenous level of total EGFR protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.1068~1072 (R-Y-S-S-D) derived from Human EGFR.
Conjugates	Unconjugated
Target Name	EGFR
Other Names	Receptor tyrosine-protein kinase ErbB-1; ERBB1;
Accession No.	Swiss-Prot: P00533NCBI Protein: NP_005219.2
Calculated MW	134 kDa
SDS-PAGE MW	175 kDa
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

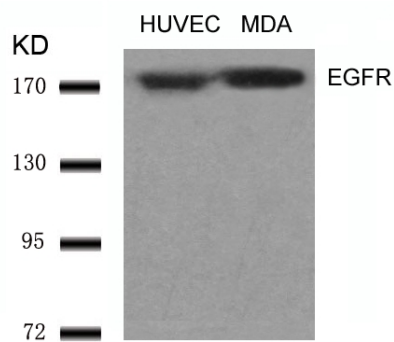
Predicted MW: 175kd

Western blotting: 1:500~1:1000

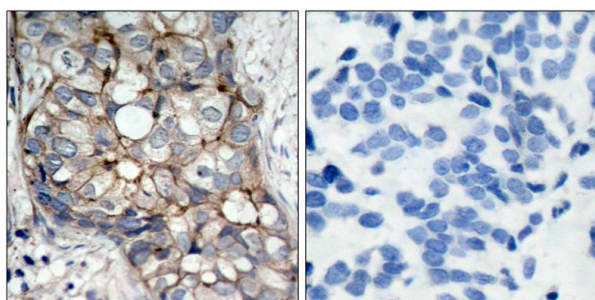
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

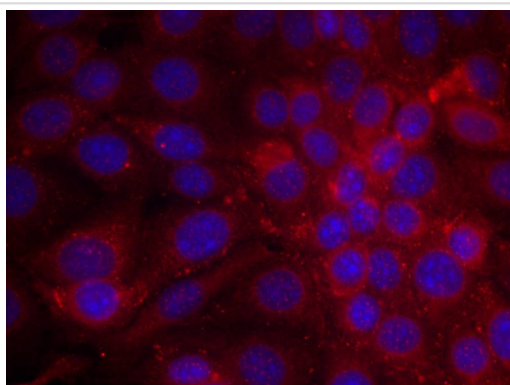
Images



Western blot analysis of extracts from HUVEC and MDA cells using EGFR(Ab-1070) Antibody #21073.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using EGFR(Ab-1070) Antibody #21073(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF cells using EGFR(Ab-1070) Antibody #21073.

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

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Gamou S, et al. (1995) FEBS Lett; 357(2): 161-4.

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Heisermann GJ, et al. (1988) J Biol Chem; 263(26): 13152-8.

Published Papers

Bin Gui, Xiao Han, Yu Zhang et al., Dimerization of ZIP promotes its transcriptional repressive function and biological activity., The International Journal of Biochemistry & Cell Biology, 44 : 886-895 (2012)

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et al., Cytoplasmic retention of a nucleocytoplasmic protein TBC1D3 by microtubule network is required for enhanced EGFR signaling. In PLoS One on 2014 Apr 8 by Ze He, Tian Tian et al.. PMID:24714105, (2014)

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[PMID:23178880](#)

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