

EGFR Antibody

Catalog No: #21222

Package Size: #21222-1 50ul #21222-2 100ul

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

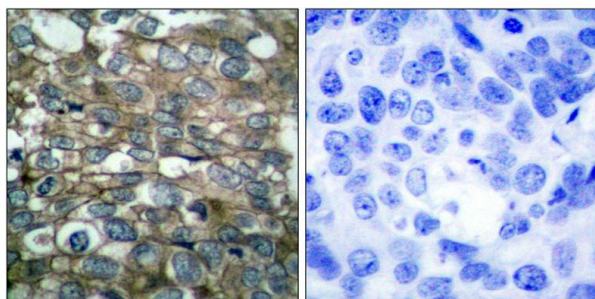
Description

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
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total EGFR protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.867~871 (K-E-Y-H-A) 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.

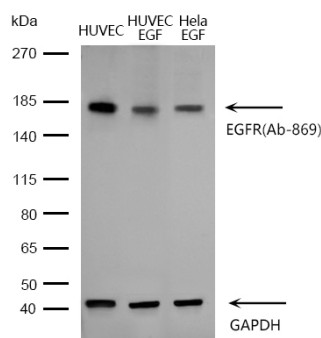
Application Details

WB 1:500-1:2000; IHC 1:100-1:300;

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using EGFR(Ab-869) Antibody #21222(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of lysates from HUVEC, HUVEC EGF and Hela EGF, using EGFR Antibody.

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

Gingras AC, et al. (1998) *Genes Dev* 12(4): 502-513.

Brugarolas J, et al. (2004) *Genes Dev* 18(23): 2893-2904.

Kumar V, et al. (2000) *EMBO J* 19(5): 1087-1097.

Moody CA, et al. (2005) *J Virol* 79(9): 5499-5506.

Burnett PE, et al. (1998) *Proc Natl Acad Sci U S A* 95(4): 1432-1437.

Published Papers

et al., EGFR-induced and PKC θ monoubiquitylation-dependent NF- κ B activation upregulates PKM2 expression and promotes tumorigenesis. In *Mol Cell* on 2012 Dec 14 by

Weiwei Yang, Yan Xia, et al..PMID: 23123196, (2012)

[PMID:23123196](#)

et al., sZIP, an alternative splice variant of ZIP, antagonizes transcription repression and growth inhibition by ZIP. In *J Biol Chem* on 2010 May 7 by Wenhua Yu, Ruifang Li, et

al..PMID: 20233718, (2010)

[PMID:20233718](#)

et al., Aldosterone induces myofibroblast EGF secretion to regulate epithelial colonic permeability. In *Am J Physiol Cell Physiol* on 2013 May 1 by Lluís Miró, Anna Pérez-Bosque, et al..PMID:23467299

, (2013)

[PMID:23467299](#)

et al., 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)

[PMID:26280537](#)

et al., A thiazole-derived oridonin analogue exhibits antitumor activity by directly and allosterically inhibiting STAT3. In *J Biol Chem* on 2019 Nov 15; by Shen X, Zhao L, et al..PMID:31594861, (2019)

[PMID:31594861](#)

Frédéric Couture, François D'Amjou, Roxane Desjardins et al., Role of Proprotein Convertases in Prostate Cancer Progression, *Neoplasia*, 14: 1032-1042(2012)

[PMID:23226097](#)

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