

EGFR(Ab-1110) Antibody

Catalog No: #21256

Package Size: #21256-1 50ul #21256-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	EGFR(Ab-1110) 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	Hu
Specificity	The antibody detects endogenous level of total EGFR protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 1108~1112 (P-V-Y-H-N) derived from Human EGFR.
Target Name	EGFR
Other Names	Receptor tyrosine-protein kinase ErbB-1
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 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.

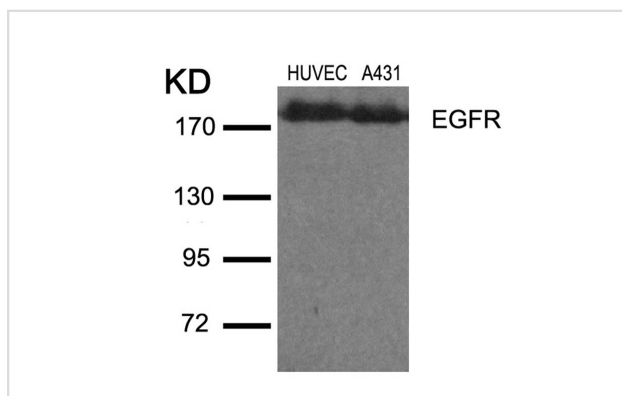
Application Details

Predicted MW: 175kd

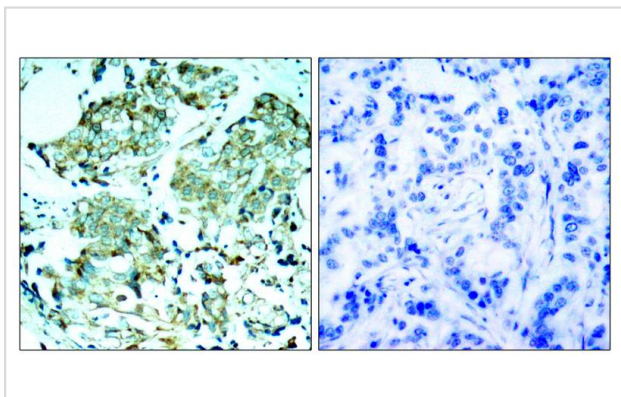
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HUVEC and A431 cells using EGFR(Ab-1110) Antibody #21256.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using EGFR(Ab-1110) Antibody #21256(left) or the same antibody preincubated with blocking peptide(right).

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.

Kaisa Erjala, et al. (2006) Clin. Cancer Res Jul 2006; 12: 4103 - 4111.

Judit Anido, et al. (2003) Clin. Cancer Res ; 9: 1274.

Julian Andreev, et al. (2001) J. Biol. Chem ; 276: 20130 - 20135.

Suil Kim, et al. (2002) Am J Physiol Lung Cell Mol Physiol; 283: 67.

Note: This product is for in vitro research use only