

EGFR Antibody (S695)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7628g

Product Information

Application	WB, E
Primary Accession	P00533
Other Accession	Q01279
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB10968
Antigen Region	673-702

Additional Information

Other Names	Epidermal growth factor receptor, Proto-oncogene c-ErbB-1, Receptor tyrosine-protein kinase erbB-1, EGFR, ERBB, ERBB1, HER1
Target/Specificity	This EGFR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 673-702 amino acids from human EGFR.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	EGFR Antibody (S695) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

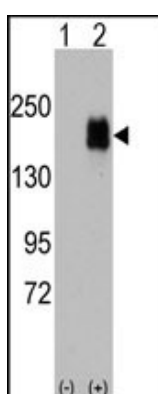
EGFR is a transmembrane glycoprotein that is a member of a family of protein tyrosine kinases crucial in maintaining a normal balance in cell growth and development. A prototype member of the type 1 receptor tyrosine kinases, EGFR is encoded by the cellular oncogene *cerbB1*. EGFR has an extracellular ligand binding domain, a single transmembrane region, and cytoplasmic domain which is composed of a tyrosine kinase

domain and a carboxy terminal domain. The carboxy terminal domain contains at least four tyrosine autophosphorylation sites. Increased production or activation of EGFR has been associated with poor prognosis in a variety of tumors. EGFR overexpression is observed in tumors of the head and neck, brain, bladder, stomach, breast, lung, endometrium, cervix, vulva, ovary, esophagus, stomach and in squamous cell carcinoma.

References

- Aifa, S., et al., *Exp. Cell Res.* 302(1):108-114 (2005).
Adams, T.E., et al., *Growth Factors* 22(2):89-95 (2004).
Ichinose, J., et al., *Biochem. Biophys. Res. Commun.* 324(3):1143-1149 (2004).
Kuribayashi, A., et al., *Endocrinology* 145(11):4976-4984 (2004).
Kapoor, G.S., et al., *Mol. Cell. Biol.* 24(2):823-836 (2004).

Images



Western blot analysis of EGFR (arrow) using rabbit polyclonal EGFR Antibody (Cat.#AP7628g).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EGFR gene (Lane 2) (Origene Technologies).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.