

For Research Use Only

Phospho-EGFR (Tyr1110) Recombinant monoclonal antibody

Catalog Number: 87084-2-RR



Basic Information

Catalog Number: 87084-2-RR	GenBank Accession Number: BC094761	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1956	CloneNo.: 251800D1
Source: Rabbit	UNIPROT ID: P00533	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Full Name: epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	
	Calculated MW: 1210 aa, 134 kDa	
	Observed MW: 175 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : EGF treated A431 cells,
Species Specificity: human	

Background Information

EGFR is a 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. Phospho-EGFR (Tyr1110) is the phosphorylated, active form of the epidermal growth factor receptor (EGFR) at tyrosine 1110 within the C-terminal tail. This modification is catalyzed by EGFR itself or SRC-family kinases upon ligand (EGF, TGF- α) binding or oxidative stress. Phosphorylation at Tyr1110 creates a docking site for SH2-domain-containing proteins, propagating downstream signals through the RAS-RAF-MEK-ERK and PI3K-AKT pathways. Some scientists call EGFR Tyr1110 as EGFR Tyr1086, the site where the signaling peptide is removed.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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