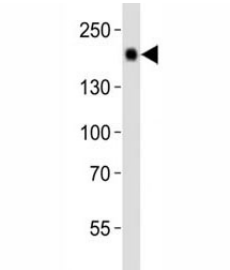
Egfr Antibody (F52880)

Catalog No.	Formulation	Size
F52880-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52880-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q01279
Localization	Cytoplasmic, membranous
Applications	Western blot: 1:1000
Limitations	This Egfr antibody is available for research use only.



Western blot analysis of lysate from mouse liver tissue using Egfr antibody diluted at 1:1000. Expected molecular weight: ~134/170 kDa (unmodified/glycosylated).

Description

Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses. Known ligands include EGF, TGFA/TGF-alpha, amphiregulin, epigen/EPGN, BTC/betacellulin, epiregulin/EREG and HBEGF/heparin-binding EGF. Ligand binding triggers receptor homo- and/or heterodimerization and autophosphorylation on key cytoplasmic residues. The phosphorylated receptor recruits adapter proteins like GRB2 which in turn activates complex downstream signaling cascades. Activates at least 4

major downstream signaling cascades including the RAS- RAF-MEK-ERK, PI3 kinase-AKT, PLCgamma-PKC and STATs modules. May also activate the NF-kappa-B signaling cascade. Also directly phosphorylates other proteins like RGS16, activating its GTPase activity and probably coupling the EGF receptor signaling to the G protein-coupled receptor signaling. Also phosphorylates MUC1 and increases its interaction with SRC and CTNNB1/beta-catenin.

Explore our EGFR Antibody (31G7) page for a broader view of EGFR expression and extensively validated antibody performance across applications.

Application Notes

Titration of the Egfr antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This mouse Egfr antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 1116-1130 amino acids from the human region of mouse Egfr.

Storage

Aliquot the Egfr antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.