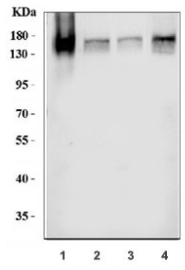
EGFR Antibody / EGF Receptor (R32179)

Catalog No.	Formulation	Size
R32179	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q01279
Applications	Western blot: 0.5-1ug/ml
Limitations	This EGFR antibody is available for research use only.



Western blot testing of 1) human A431, 2) human A549, 3) U-87 MG and 4) mouse liver tissue lysate with EGFR antibody. Expected molecular weight: 134-180 kDa depending on glycosylation level.

Description

The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. It is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR (ErbB-1), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). EGFR exists on the cell surface and is activated by binding of its specific ligands, including epidermal growth factor and transforming growth factor ? (TGF?). EGFR and its ligands are cell signaling molecules involved in diverse cellular functions, including cell proliferation, differentiation, motility, and survival, and in tissue development. Mutations that lead to EGFR overexpression (known as upregulation) or overactivity have been associated with a number

of cancers, including lung cancer and glioblastoma multiforme. In this latter case a more or less specific mutation of EGFR, called EGFRvIII is often observed.

Application Notes

Optimal dilution of the EGFR antibody should be determined by the researcher.

Immunogen

Amino acids 25-249 of mouse EGFR were used as the immunogen for the EGFR antibody.

Storage

After reconstitution, the EGFR antibody antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.