EGFR Antibody

Catalog No: #23630

Package Size: #23630 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

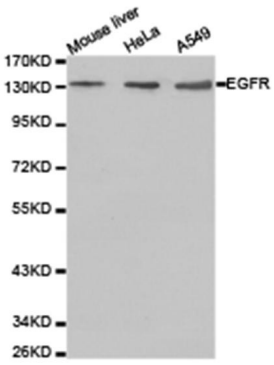
Product Name	EGFR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity purification
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human EGFR
Conjugates	Unconjugated
Target Name	EGFR
Other Names	ERBB ERBB1 HER1 PIG61 mENA
Accession No.	Swiss-Prot#: P00533 Gene ID: 1956
SDS-PAGE MW	134KD
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at 20°C or 80°C. Avoid freeze / thaw cycles.

Application Details

WB 1:500-1:2000

IHC 1:50-1:200

Images



Western blot analysis of extracts of various celllines, using EGFR antibody.

Background

The ErbB2 (HER2) protooncogene encodes a 185 kDa transmembrane, receptorlike glycoprotein with intrinsic tyrosine kinase activity (1). While ErbB2 lacks an identified ligand, ErbB2 kinase activity can be activated in the absence of a ligand when overexpressed and through heteromeric associations with other ErbB family members (2). Amplification of the ErbB2 gene and overexpression of its product are detected in almost 40% of human breast

cancers (3). Binding of the cCbl ubiquitin ligase to ErbB2 at Tyr1112 leads to ErbB2 polyubiquitination and enhances degradation of this kinase (4). ErbB2 is a key therapeutic target in the treatment of breast cancer and other carcinomas and targeting the regulation of ErbB2 degradation by the cCblregulated proteolytic pathway is one potential therapeutic strategy. Phosphorylation of the kinase domain residue Tyr877 of ErbB2 (homologous to Tyr416 of pp60cSrc) may be involved in regulating ErbB2 biological activity. The major autophosphorylation sites in ErbB2 are Tyr1248 and Tyr1221/1222N'Y phosphorylation of these sites couples ErbB2 to the RasRafMAP kinase signal transduction pathway (1,5).

Published Papers

Frη— ε¨ dη— ε¨ ric Couture, Fran?ois Dı η Anjou, Roxane Desjardins el at., Role of Proprotein Convertases in Prostate Cancer Progression, Neoplasia, 14: 1032η— C1042(2012)

PMID:23226097

Note: This product is for in vitro research use only and is not intended for use in humans or animals.