

EGFR Mouse mAb

Cat No: HR1AM2155

For research use only

Overview

Product Name	EGFR Mouse mAb
Source	Mouse
Applications	WB, IHC, IF
Species Reactivity	Human
Recommended Dilutions	WB 1:1,000 IF 1:100-200 IHC 1:200-500
Immunogen	
Species	
Storage	
Isotype	
Clonality	Monoclonal
Concentration	1mg/ml
Observed band	170kDa
GeneID?Human?	1956
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Epidermal Growth Factor Receptor ;ErbB-1; ErbB1; ER1; ERB-B1; MENA; HER1; Erythroblastic Leukemia Viral(v-Erb-B)oncogene Homolog,Avian; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1
Background	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. 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? Actin is one of six different actin isoforms that have been identified. The actin molecules found in cells of various species and tissues tend to be very similar in their immunological and physical properties. Therefore, Antibodies against ?-Actin are useful as loading controls for Western Blotting. However it should be noted that levels of ?-Actin may not be stable in certain cells. For example, expression of ?-Actin in adipose tissue is very low and therefore ?-Actin should not be used as loading control for these tissues.