

For Research Use Only

EGFR Monoclonal antibody, PBS Only



Catalog Number: 66455-1-PBS

Featured Product

Basic Information

Catalog Number:

66455-1-PBS

GenBank Accession Number:

BC094761

Purification Method:

Protein G purification

Size:

100ug, Concentration: 1000 µg/ml by 1956

GeneID (NCBI):

1956

CloneNo.:

2A2H10

Nanodrop;

UNIPROT ID:

P00533

Source:

Mouse

Full Name:

epidermal growth factor receptor
(erythroblastic leukemia viral (v-erb-
b) oncogene homolog, avian)

Isotype:

IgG1

Immunogen Catalog Number:

AG24947

Calculated MW:

1210 aa, 134 kDa

Observed MW:

145-165 kDa

Applications

Tested Applications:

WB, FC, IHC, Indirect ELISA

Species Specificity:

human

Background Information

EGFR, also named as ERBB1, is a cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. The gene resides on chromosome 7p12, encoding a 170 kDa membrane-associated glycoprotein. Recent studies have shown EGFR plays a critical role in cancer development and progression, including cell proliferation, apoptosis, angiogenesis, and metastatic spread. Mutations in this gene are associated with lung cancer.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

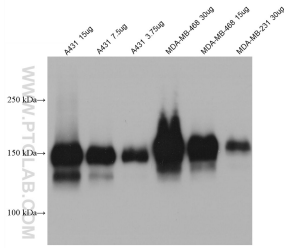
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

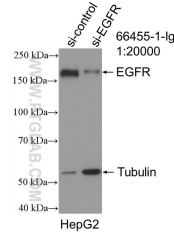
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



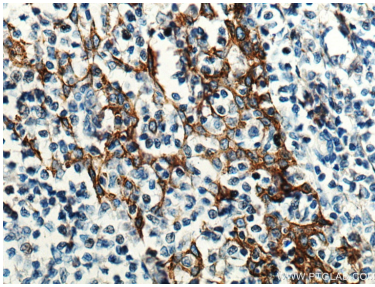
Various lysates were subjected to SDS PAGE followed by western blot with 66455-1-Ig (EGFR antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66455-1-PBS in a different storage buffer formulation.



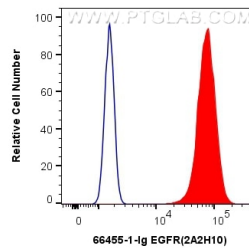
WB result of EGFR antibody (66455-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EGFR transfected HepG2 cells. This data was developed using the same antibody clone with 66455-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66455-1-Ig (EGFR antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66455-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66455-1-Ig (EGFR antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66455-1-PBS in a different storage buffer formulation.



1X10⁶ A431 cells were intracellularly stained with 0.4 ug Anti-Human EGFR (66455-1-Ig, Clone:2A2H10) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 66455-1-PBS in a

