

For Research Use Only

EGFR Monoclonal antibody, PBS Only

Catalog Number: 66455-1-PBS

Featured Product

1 Publications



Basic Information

Catalog Number:

66455-1-PBS

Size:

100ug, Concentration: 1000 ug/ml by 1956
Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24947

GenBank Accession Number:

BC094761

GeneID (NCBI):

1956

UNIPROT ID:

P00533

Full Name:

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

Calculated MW:

1210 aa, 134 kDa

Observed MW:

145-165 kDa

Purification Method:

Protein G purification

CloneNo.:

2A2H10

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Liushan Chen	39730704	Sci Rep	WB

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

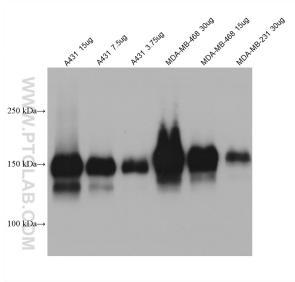
For technical support and original validation data for this product please contact:

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

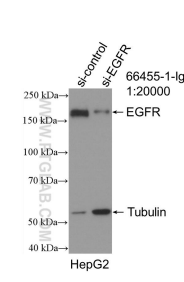
E: proteintech@ptglab.com
W: ptglab.com

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

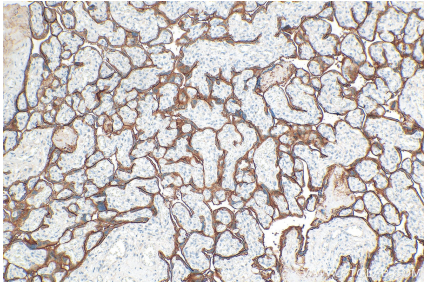
Selected Validation Data



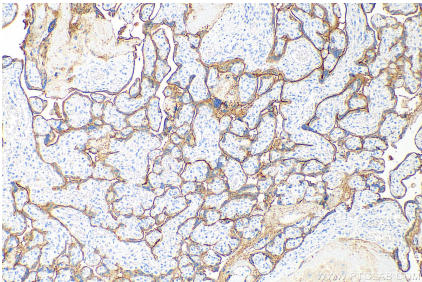
Various lysates were subjected to SDS PAGE followed by western blot with 66455-1-Ig (EGFR antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66455-1-PBS in a different storage buffer formulation.



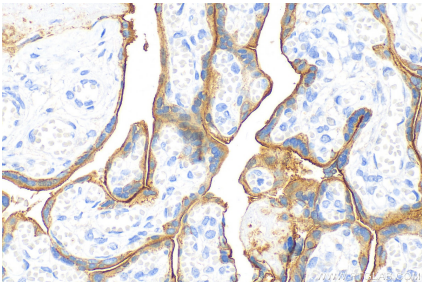
WB result of EGFR antibody (66455-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EGFR transfected HepG2 cells. This data was developed using the same antibody clone with 66455-1-PBS in a different storage buffer formulation.



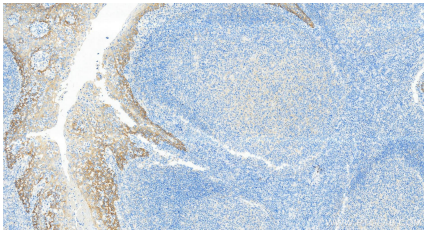
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66455-1-Ig (EGFR antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66455-1-PBS in a different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



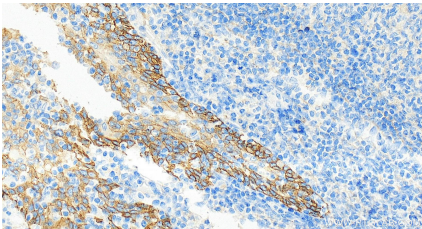
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66455-1-Ig (EGFR antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66455-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66455-1-Ig (EGFR antibody) at dilution of 1:4000 (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.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66455-1-Ig (EGFR antibody) at dilution of 1:4000 (under 20x 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 1:4000 (under 20x 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.