

EGFR (C-terminal) Polyclonal antibody

Catalog Number: 51071-2-AP

21 Publications

Basic Information

Catalog Number:

51071-2-AP

Size:

4000 µg/ml

Source:

Rabbit

Isotype:

IgG

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:

170 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IF 1:200-1:800

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC, CoIP

Species Specificity:

human

Cited Species:

human, mouse, pig

Positive Controls:

WB: A431 cells, HeLa cells, L02 cells

IP: A431 cells,

IF: A431 cells,

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. The antibody is specific to isoform1.

Notable Publications

Author	Pubmed ID	Journal	Application
Samusi Adediran	36230550	Cancers (Basel)	WB
Xiaojin Liu	36230833	Cancers (Basel)	WB
Minglu Liu	36467051	Front Pharmacol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

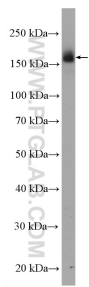
For technical support and original validation data for this product please contact:

T: 4006900926

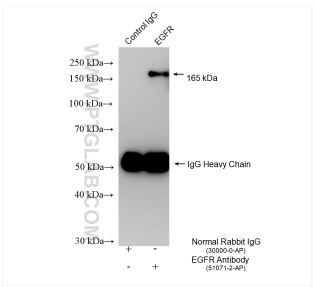
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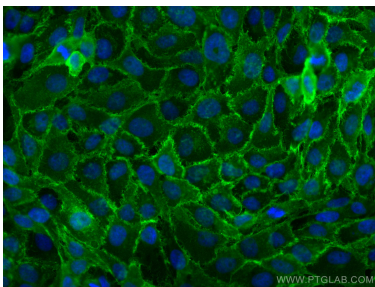
Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 51071-2-AP (EGFR (C-terminal) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-EGFR (C-terminal) (IP:51071-2-AP, 4ug; Detection:51071-2-AP 1:30000) with A431 cells lysate 1200 ug.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using EGFR (C-terminal) antibody (51071-2-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).