

For Research Use Only

EGFR Polyclonal antibody

Catalog Number: 30139-1-AP



Basic Information

Catalog Number: 30139-1-AP	GenBank Accession Number: NM_005228.5	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 1956	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
Source: Rabbit	Full Name: epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	IF 1:750-1:3000
Isotype: IgG	Calculated MW: 134kd	
	Observed MW: 145-165 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls:
Species Specificity: Human	WB : A431 cells, IP : HeLa cells, IF : A431 cells,

Background Information

EGFR is a receptor for EGF, but also for other members of the EGF family, as TGF- α , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. ERBB1 is involved in the control of cell growth and differentiation. Phosphorylates MUC1 in breast cancer cells and increases the interaction of MUC1 with C-SRC and CTNNB1/beta-catenin. Isoform 2/truncated isoform of ERBB1 may act as an antagonist. EGFR is associated with lung cancer.

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

*** 20ul sizes contain 0.1% BSA

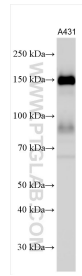
For technical support and original validation data for this product please contact:

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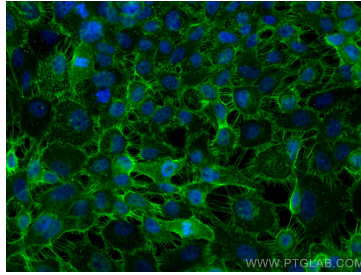
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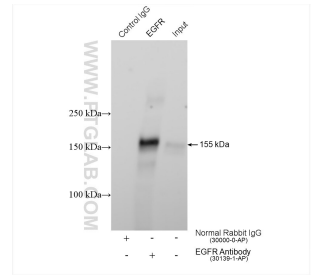
Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 30139-1-AP (EGFR antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using EGFR antibody (30139-1-AP) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-EGFR(IP:30139-1-AP, 4ug; Detection:30139-1-AP 1:4000) with HeLa cells lysate 1520 ug.