

For Research Use Only

# Egfr Polyclonal antibody

Catalog Number: 30847-1-AP



## Basic Information

<b>Catalog Number:</b> 30847-1-AP	<b>GenBank Accession Number:</b> NM_207655	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 280 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 13649	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q01279	
<b>Isotype:</b> IgG	<b>Full Name:</b> epidermal growth factor receptor	
<b>Immunogen Catalog Number:</b> AG33621	<b>Calculated MW:</b> 135 kDa	
	<b>Observed MW:</b> 140-180 kDa	

## Applications

<b>Tested Applications:</b> WB, IF, ELISA	<b>Positive Controls:</b> WB : A549 cells, mouse liver tissue IF : A431 cells,
<b>Species Specificity:</b> Human, mouse	

## Background Information

The epidermal growth factor receptor (EGFR) is a member of the ErbB family of receptor tyrosine kinases (RTKs). Binding of EGFR to epidermal growth factor family ligands triggers a signaling cascade through allosteric activation of epidermal growth factor receptor kinase and trans-autophosphorylation of key tyrosine residues in the tail of the cytoplasmic receptor (PMID: 24691965). Due to phosphorylation, the apparent molecular weight is higher than the calculated molecular weight of 140 kDa. EGFR has been implicated in learning and memory enhancement and pain signaling in mammals (PMID: 20639532 and 35131940).

## Storage

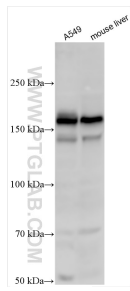
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

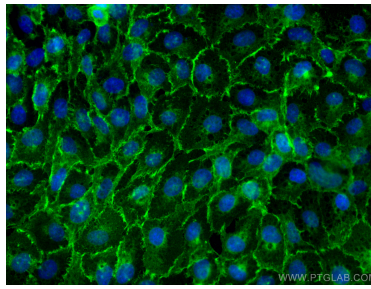
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30847-1-AP (Egfr antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Egfr antibody (30847-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).