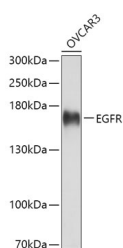


## (KO Validated) EGFR Polyclonal Antibody

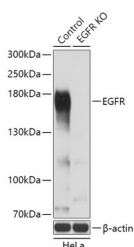
<b>Catalog No.</b>	E-AB-63557	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IF	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

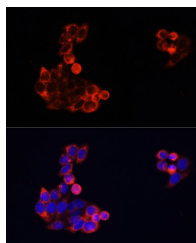
### Images



Western blot analysis of extracts of OVCAR3 cells using EGFR Polyclonal Antibody at dilution of 1:3000.



Western blot analysis of extracts from normal (control) and EGFR knockout (KO) HeLa cells using EGFR Polyclonal Antibody at dilution of 1:3000.



Immunofluorescence analysis of HeLa cells using EGFR Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

### Immunogen Information

<b>Immunogen</b>	Recombinant fusion protein of human EGFR (NP_005219.2).
<b>GeneID</b>	1956
<b>Swissprot</b>	P00533
<b>Synonyms</b>	EGFR,ERBB,ERBB1,HER1,NISBD2,PIG61,mENA

### Product Information

<b>Calculated MW</b>	44kDa/69kDa/77kDa/134kDa
<b>Observed MW</b>	175kDa
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000 IF 1:50-1:200

### Background

The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.