

**[KO Validated] EGFR polyclonal antibody**

Catalog: BS79685

Host: Rabbit

Reactivity: Human, Mouse, Rat

**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.

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

175KDa

**Swiss-Prot:**

P00533

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

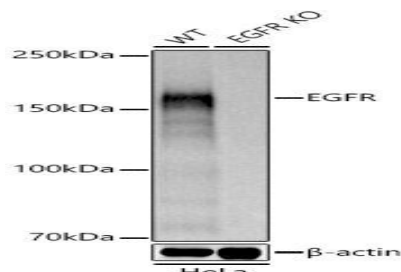
WB,1:500 - 1:2000|IHC,1:50 - 1:200|IF/ICC,1:50 - 1:200|IP,1:50 - 1:100

**Storage&Stability:**

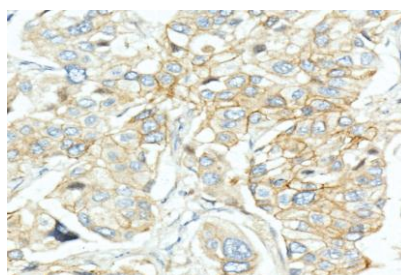
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Modification:**

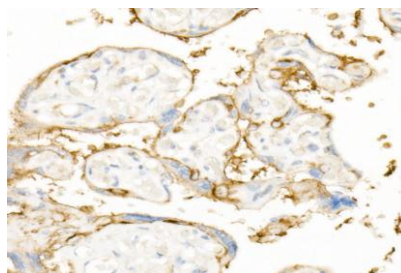
Unmodification

**DATA:**

Western blot analysis of extracts from wild type and EGFR Rabbit pAb knockout HeLa cells, using EGFR Rabbit pAb antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 0.5s.



Immunohistochemistry of paraffin-embedded human lung cancer using [KO Validated] EGFR Rabbit pAb at dilution of 1:25. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded human placenta using [KO Validated] EGFR Rabbit pAb at dilution of 1:25. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

**Bioworld Technology, Inc.**

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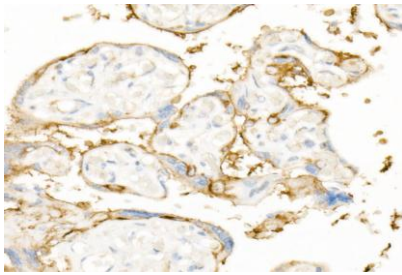
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**Note:**

For research use only, not for use in diagnostic procedure.

Immunofluorescence analysis of A-431 cells using [KO Validated]  
EGFR Rabbit pAb at dilution of 1:250 . Blue: DAPI for nuclear staining.

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