# **EGF Rabbit pAb**

Catalog No.: A13615 4 Publications



# **Basic Information**

#### **Observed MW**

134kDa

## **Calculated MW**

134kDa

## Category

Primary antibody

## **Applications**

WB,IF-P,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

# **Background**

This gene encodes a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth, proliferation and differentiation of numerous cell types. This protein acts by binding with high affinity to the cell surface receptor, epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain cancers. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

# **Recommended Dilutions**

**WB** 1:500 - 1:1000

IF-P 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

# Immunogen Information

**Gene ID**Swiss Prot
1950
P01133

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

## **Synonyms**

URG; HOMG4; EGF

# **Contact**

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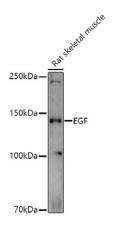
# **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of lysates from Rat skeletal muscle, using EGF Rabbit pAb (A13615) at 1:1000 dilution

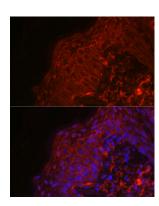
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 60s.



Immunofluorescence analysis of paraffinembedded human skin using EGF Rabbit pAb (A13615) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.