

## EGF Mouse mAb

CatalogNo: YM0211

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human

#### Applications

- WB,IF,ELISA

#### MW

- 134kD (Calculated)

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IF 1:200-1:1000**

**ELISA 1:10000**

**Not yet tested in other applications.**

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Monoclonal

### Immunogen Information

**Immunogen** Purified recombinant fragment of human EGF expressed in E. Coli.

**Specificity** EGF Monoclonal Antibody detects endogenous levels of EGF protein.

### Target Information

**Gene name** EGF

**Protein Name** Pro-epidermal growth factor

Organism	Gene ID	UniProt ID
Human	<a href="#">1950;</a>	<a href="#">P01133;</a>
Mouse		<a href="#">P01132;</a>

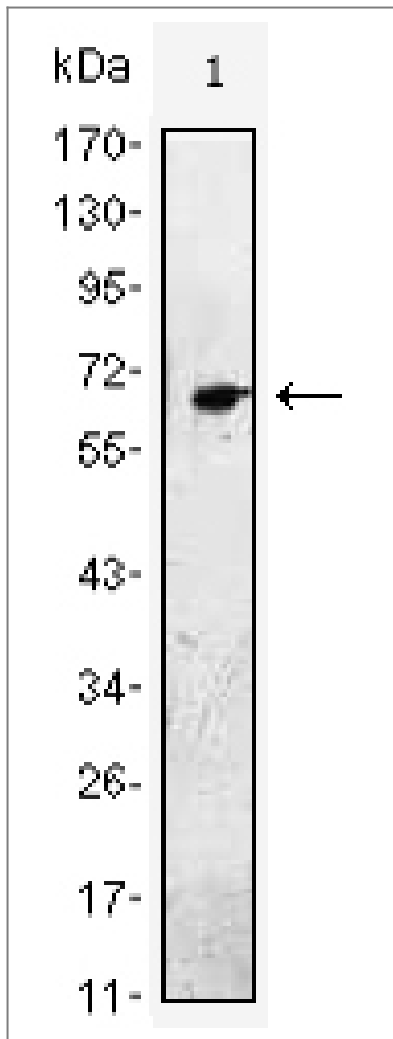
**Cellular Localization** Membrane; Single-pass type I membrane protein.

**Tissue specificity** Expressed in kidney, salivary gland, cerebrum and prostate.

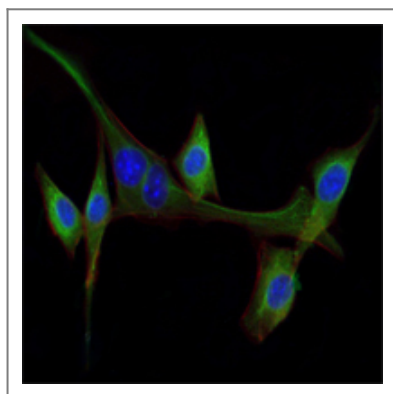
**Function** Disease:Defects in EGF are the cause of hypomagnesemia type 4 (HOMG4) [MIM:611718]; also known as renal hypomagnesemia normocalciuric. HOMG4 is a disorder characterized by massive renal hypomagnesemia and normal levels of serum calcium and calcium excretion. Clinical features include seizures, mild-to moderate psychomotor retardation, and brisk tendon reflexes.,Function:EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6.,online information:Epidermal growth factor entry,similarity:Contains 9 EGF-like domains.,similarity:Contains 9 LDL-receptor class B repeats.,tissue specificity:Expressed in kidney, salivary gland, cerebrum and prostate.,

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## | Validation Data



Western Blot analysis using EGF Monoclonal Antibody against EGF-hlgGfc transfected HEK293 cell lysate.



Immunofluorescence analysis of NIH/3T3 cells using EGF Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

## Contact information

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