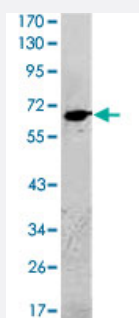


# EGF monoclonal antibody, clone 9D7F11

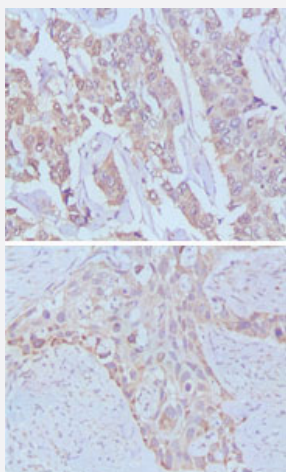
Catalog # MAB10630      Size 100 uL

## Applications



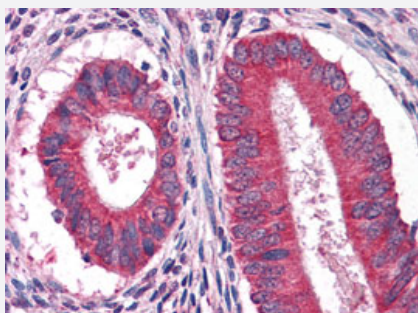
### Western Blot (Transfected lysate)

Western blot analysis using EGF monoclonal antibody, clone 9D7F11 (Cat # MAB10630) against EGF-hlgGfc transfected HEK293 cell lysate.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast cancer (upper) and lung cancer (bottom) tissues using EGF monoclonal antibody, clone 9D7F11 (Cat # MAB10630) .



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human uterus tissues using EGF monoclonal antibody, clone 9D7F11 (Cat # MAB10630) .

## Specification

|                             |                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Mouse monoclonal antibody raised against partial recombinant EGF.                                                                                           |
| <b>Immunogen</b>            | Recombinant protein corresponding to human EGF.                                                                                                             |
| <b>Host</b>                 | Mouse                                                                                                                                                       |
| <b>Theoretical MW (kDa)</b> | 134                                                                                                                                                         |
| <b>Reactivity</b>           | Human                                                                                                                                                       |
| <b>Form</b>                 | Liquid                                                                                                                                                      |
| <b>Isotype</b>              | IgG1                                                                                                                                                        |
| <b>Recommend Usage</b>      | ELISA (1:10000)<br>Western Blot (1:500-1:2000)<br>Immunohistochemistry (1:200-1:1000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In ascites (0.03% sodium azide)                                                                                                                             |
| <b>Storage Instruction</b>  | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                      |
| <b>Note</b>                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                      |

## Applications

- Western Blot (Transfected lysate)

Western blot analysis using EGF monoclonal antibody, clone 9D7F11 (Cat # MAB10630) against EGF-hlgGfc transfected HEK293 cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast cancer (upper) and lung cancer (bottom) tissues using EGF monoclonal antibody, clone 9D7F11 (Cat # MAB10630) .

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Immunohistochemical analysis of paraffin-embedded human uterus tissues using EGF monoclonal antibody, clone 9D7F11 (Cat # MAB10630) .

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — EGF

**Entrez GeneID** [1950](#)**Gene Name** EGF**Gene Alias** HOMG4, URG**Gene Description** epidermal growth factor (beta-urogastrone)**Omim ID** [131530](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** Epidermal growth factor has a profound effect on the differentiation of specific cells in vivo and is a potent mitogenic factor for a variety of cultured cells of both ectodermal and mesodermal origin. The EGF precursor is believed to exist as a membrane-bound molecule which is proteolytically cleaved to generate the 53-amino acid peptide hormone that stimulates cells to divide. [provided by RefSeq]

**Other Designations** urogastrone

## Pathway

- [Bladder cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)

- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)

## Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Arthritis](#)
- [Autistic Disorder](#)
- [Barrett Esophagus](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Esophageal Neoplasms](#)

- [Fetal Growth Retardation](#)
- [Gallbladder Neoplasms](#)
- [Gastroesophageal Reflux](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningioma](#)
- [Mental Disorders](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)

- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Nervous System Neoplasms](#)
- [Neurilemmoma](#)
- [Nevus](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
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- [Personality Tests](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Reaction Time](#)
- [Rectal Neoplasms](#)
- [Respiratory Distress Syndrome](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Skin Neoplasms](#)
- [Startle Reaction](#)
- [Stomach Neoplasms](#)
- [Stress](#)
- [Tobacco Use Disorder](#)

- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)
- [Werner syndrome](#)