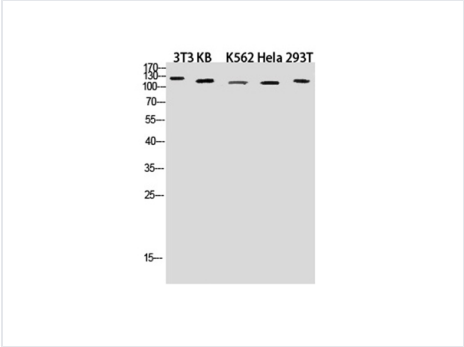
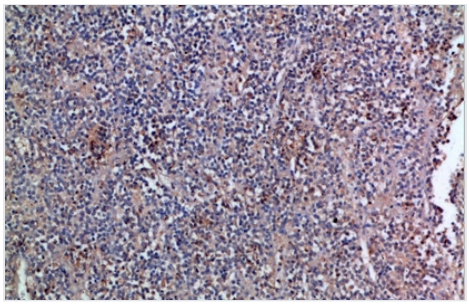
EGF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

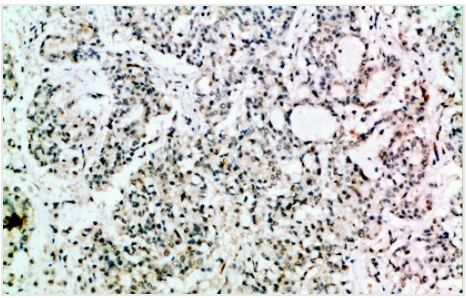
Product Name	EGF, Polyclonal Antibody
Full Product Name	EGF Polyclonal Antibody
Product Gene Name	anti-EGF antibody
Product Synonym Names	Pro-epidermal growth factor (EGF) [Cleaved into: Epidermal growth factor (Urogastrone)]
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity Purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	130kDa
OMIM	X04571 mRNA
3D Structure	ModBase 3D Structure for P01133
Immunogen	Synthetic peptide from human protein
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EGF antibody	Western Blot (WB), Immunohistochemistry (IHC) Paraffin, ELISA (EIA)
Application Notes for anti-EGF antibody	WB: 1:500-2000 IHC: 1:500-200 ELISA: 1:10000-20000
Related Product Information for anti-EGF antibody	This gene encodes a member of the epidermal growth factor superfamily. The encoded protein is synthesized as a large precursor molecule that is proteolytically cleaved 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 the high affinity 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.
Other Notes	Small volumes of anti-EGF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EGF purchase	MBS2549569 is an antibody targeting EGF. Also known as EGF Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-EGF antibody
Western Blot analysis of 293T, Mouse kidney using EGF Polyclonal Antibody at dilution of 1:2000.



Immunohistochemistry (IHC) of anti-EGF antibody
Immunohistochemistry of paraffin-embedded Human kidney cancer tissue using EGF Polyclonal Antibody at dilution of 1:200.



Immunohistochemistry (IHC) of anti-EGF antibody
Immunohistochemistry of paraffin-embedded Human stomach cancer tissue using EGF Polyclonal Antibody at dilution of 1:200.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EGF. It may not necessarily be applicable to this product.

NCBI GI #	296011013
NCBI GeneID	1950
NCBI Accession #	NP_001171601.1
UniProt Primary Accession #	P01133
UniProt Secondary Accession #	Q52LZ6; B4DRK7; E7EVD2; E9PBF0
UniProt Related Accession #	P01133
GenBank Nucleotide #	NM_001178130.2
NCBI Official Full Name	pro-epidermal growth factor isoform 2
NCBI Official Synonym Full Names	epidermal growth factor
NCBI Official Symbol	EGF
NCBI Official Synonym Symbols	URG; HOMG4
UniProt Protein Name	Pro-epidermal growth factor
UniProt Synonym Protein Names	Epidermal growth factorAlternative name(s):Urogastrone
Protein Family	Pro-epidermal growth factor
UniProt Gene Name	EGF
UniProt Synonym Gene Names	EGF
NCBI Protein Information	pro-epidermal growth factor

NCBI Summary for EGF	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. [provided by RefSeq, Jan 2016]
UniProt Comments for EGF	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. Can induce neurite outgrowth in motoneurons of the pond snail Lymnaea stagnalis in vitro (PubMed:10964941).
Research Articles on EGF	**1.** EGF and IP-10 were significantly elevated and GRO levels were lower in the tear profile of HIV patients with dry eye disease (DED) compared to immunocompetent patients with DED.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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