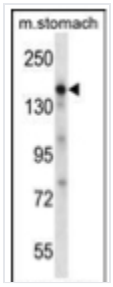
EGF Antibody – Rabbit Polyclonal

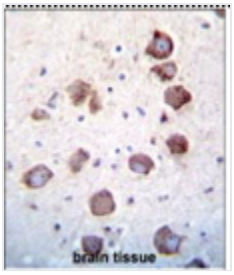
PRODUCT OVERVIEW

Product Name	EGF, Polyclonal Antibody
Full Product Name	EGF, ID (EGF, Pro-epidermal growth factor, Epidermal growth factor, Urogastrone) (APC)
Product Gene Name	anti-EGF antibody
Product Synonym Names	EGF; Pro-epidermal growth factor; Epidermal growth factor; Urogastrone
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human EGF. Species crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	129,746 Da
OMIM	gene 611718
3D Structure	ModBase 3D Structure for P01133
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 690-720 in the central region of human EGF, UniProt Accession #P01133; NP_001954.2.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-EGF antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-EGF antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-EGF antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
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. Alternate splicing results in multiple transcript variants.

Product References and Citations for anti-EGF antibody	de Diesbach, M.T., et al. Exp. Cell Res. 316(19):3239-3253(2010). Xu, Z., et al. Biochem. Biophys. Res. Commun. 401(3):376-381(2010). Lupien, M., et al. Genes Dev. 24(19):2219-2227(2010). Hommel, U., et al. J. Mol. Biol. 227(1):271-282(1992) Hernandez-Sotomayor, S.M., et al. J. Membr. Biol. 128(2):81-89(1992).
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	MBS6294655 is an antibody targeting EGF. Also known as EGF, ID (EGF, Pro-epidermal growth factor, Epidermal growth factor, Urogastrone) (APC). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-EGF antibody
Western blot analysis in mouse stomach tissue lysates (35ug/lane) using 034958. This demonstrates 034958 detected the EGF protein (arrow).



Immunohistochemistry (IHC) of anti-EGF antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue using 034958 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of 034958 for immunohistochemistry.

ADDITIONAL DETAILS

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

NCBI GI #	166362728
NCBI GeneID	1950
NCBI Accession #	NP_001954.2
UniProt Primary Accession #	P01133
UniProt Secondary Accession #	Q52LZ6; B4DRK7; E7EVD2; E9PBF0
UniProt Related Accession #	P01133
GenBank Nucleotide #	NM_001963.4
NCBI Official Full Name	pro-epidermal growth factor isoform 1 preproprotein
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	Urogastrone
Protein Family	Pro-epidermal growth factor
UniProt Gene Name	EGF
UniProt Synonym Gene Names	EGF
UniProt Entry Name	EGF_HUMAN
NCBI Protein Information	pro-epidermal growth factor; beta-urogastrone
Research Articles on EGF	**1.** Our results demonstrate that the modification of CXCL12/CXCR4 expression by COUP-TFI is mediated by the activation of epithelial growth factor (EGF) and the EGF receptor

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