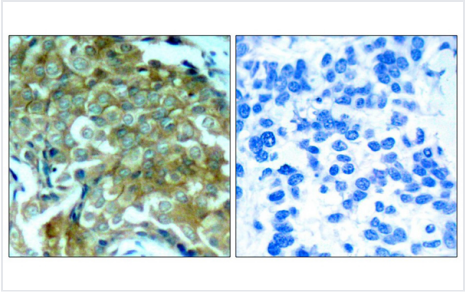
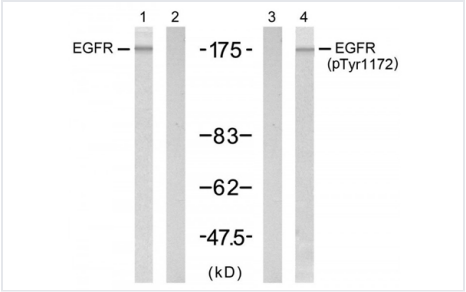
EGFR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EGFR, Polyclonal Antibody
Full Product Name	EGFR Antibody (Tyr1172)
Product Gene Name	anti-EGFR antibody
Product Synonym Names	Rabbit Polyclonal EGFR Antibody (Tyr1172); Polyclonal EGFR antibody; Anti-EGFR antibody; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog antibody; cell growth inhibiting protein 40 antibody; cell proliferation-inducing protein 61 antibody; EGFR antibody; Epidermal growth factor receptor antibody; epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog avian) antibody; ERBB antibody; ERBB1 antibody; HER1 antibody; mENA antibody; PIG61 antibody; Proto-oncogene c-ErbB-1 antibody; Receptor tyrosine-protein kinase erbB-1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied in PBS buffer (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol
Purity/Purification	Affinity Chromatography
Concentration	1 mg/ml (lot specific)
Specificity	EGFR antibody (Tyr1172) detects endogenous levels EGFR only when phosphorylated at tyrosine 1172
Preparation and Storage	Store at -20 degree C in small aliquots. Avoid repeat freeze/thaw cycles.
3D Structure	ModBase 3D Structure for P04412
Immunogen	EGFR antibody was raised in Rabbit using a synthesized phosphopeptide derived from human EGFR around the phosphorylation site of tyrosine 1172 (P-D-YP-Q-Q) as the immunogen.
Cross-Reactivity	Mouse, Rat
Product Categories/Family for anti-EGFR antibody	Signal Transduction
Applications Tested/Suitable for anti-EGFR antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-EGFR antibody	WB: 1:500-1:1000 IHC: 1:50-1:100
Related Product Information for anti-EGFR antibody	Phosphorylated EGFR binds Cbl, leading to its ubiquitination and degradation. Grb2 and SHC bind to phospho-EGFR and are involved in the activation of MAP kinase signaling pathways. Phosphorylation on Ser and Thr residues is thought to represent a mechanism for attenuation of EGFR kinase activity.
Other Notes	Small volumes of anti-EGFR 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 EGFR purchase	MBS5313646 is an antibody targeting EGFR. Also known as EGFR Antibody (Tyr1172). Host: Rabbit.



Immunohistochemistry (IHC) of anti-EGFR antibody
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using EGFR antibody (Tyr1172)



Western Blot (WB) of anti-EGFR antibody
Western blot analysis of extract from A431 cell untreated or treated with EGF (200ng/ml, 5min), using EGFR antibody and EGFR antibody (Tyr1172) (Lanes 3 and 4)

ADDITIONAL DETAILS

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

NCBI GI #	17136536
NCBI GeneID	37455
UniProt Primary Accession #	P04412
GenBank Nucleotide #	NP_476759.1
NCBI Official Full Name	epidermal growth factor receptor, isoform B
NCBI Official Synonym Full Names	Epidermal growth factor receptor
NCBI Official Symbol	Egfr
NCBI Official Synonym Symbols	C-erb; c-erbB; CG10079; D-Egf; d-egf-r; D-EGFR; degfr; dEgfr; dEGFr; dEGFR; Degfr; DEgfr; DEGFR; dEGFR1; der; Der; DER; DER flb; DER/EGFR; DER/top; DER/torpedo; DER1; DmelCG10079; DmHD-33; EC2-4; EFG-R; Egf; Egf-r; EGF-R; egfr; EgfR; EGfr; EGFr; EGFR; EK2
UniProt Protein Name	Epidermal growth factor receptor
UniProt Synonym Protein Names	Drosophila relative of ERBB; Gurken receptor; Protein torpedo
Protein Family	Epidermal growth factor receptor
UniProt Gene Name	Egfr
UniProt Synonym Gene Names	c-erbB; DER; top; Egfr
NCBI Protein Information	epidermal growth factor receptor
UniProt Comments for EGFR	Binds to four ligands: Spitz, Gurken, Vein and Argos, which is an antagonist. Transduces the signal through the ras-raf-MAPK pathway. Involved in a myriad of developmental decisions. Critical for the proliferation of imaginal tissues, and for the determination of both the antero-posterior and dorso-ventral polarities of the oocyte. In the embryo, plays a role in the establishment of ventral cell fates, maintenance of amnioserosa and ventral neuroectodermal cells, germ band retraction, cell fate specification in the central nervous system and production of cuticle. Required for embryonic epithelial tissue repair.
Research Articles on EGFR	**1.** In segmentation mutants, where specific peaks of EGFR ligands fail to form, gaps in signaling activity appear, leading to coincident hid up-regulation and subsequent cell death. In wild-type embryos, the segmentation cascade elicits the segmental production of several epidermal growth factor receptor (EGFR) ligands, including the transforming growth factor Spitz (TGFalpha), and the neuregulin, Vein.
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