

Product datasheet for **AP05633PU-N**

EGFR Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1:8000 - 1:32000. Western Blot: 1:500 - 1:5000; detects a band of approximately 170kDa in A431 cell lysates.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to amino acids 1189-1199 of human EGF receptor protein.
Specificity:	This antibody detects human epidermal growth factor receptor (EGFR).
Formulation:	Phosphate buffered saline pH7.2 containing 0.01% Sodium Azide (NaN ₃) State: Purified State: Liquid purified IgG
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	epidermal growth factor receptor
Database Link:	Entrez Gene 13649 Mouse Entrez Gene 24329 Rat Entrez Gene 1956 Human P00533
Background:	EGFR is a 170kD transmembrane glycoprotein which is a member of the ErbB family of receptor tyrosine kinases. EGFR is the cell surface receptor for members of the EGF family, and functions in early embryonic development and in the renewal of stem cells in tissues such as the skin, liver and gut. Mutations to EGFR have been found in many human carcinomas including breast, brain, lung, and colon. Over-expression of more than one member of the ErbB family was found to have a negative synergistic effect on patient outcome.



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Synonyms:	Epidermal growth factor receptor, EGF Receptor, erbB-1, c-ErbB-1
Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Secreted Protein, Stem cell relevant signaling - JAK/STAT signaling pathway, Transmembrane
Protein Pathways:	Adherens junction, Bladder cancer, Calcium signaling pathway, Colorectal cancer, Cytokine-cytokine receptor interaction, Dorso-ventral axis formation, Endocytosis, Endometrial cancer, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Focal adhesion, Gap junction, Glioma, GnRH signaling pathway, MAPK signaling pathway, Melanoma, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton