OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM32394PU-N

EGFR Mouse Monoclonal Antibody [Clone ID: 2E9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2E9
Applications:	EM, IF, IHC, IP
Recommended Dilution:	**Immunoprecipitation.** **Immunoflourescence** (1/25-1/100). **Electron Microscopy.** **Immunogold Labeling.** **Immunohistochemistry on Frozen Sections** (1/25). **Immunohistochemistry on Paraffin Sections.**
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody clone *2E9* reacts with a protein determinant of the extra cellular domain of the Human EGFR, and does not cross react with EGFR from Murine cells. Shows binding competition with EGF. The antibody also reacts in Immunoprecipitation with the functional EFR protein-tyrosine kinase complex. The antibody has no agonistic properties, but competes efficiently with EGF for binding to the receptor.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.

View online »

Stability:	Shelf life: one year from despatch.
Gene Name:	epidermal growth factor receptor
Database Link:	Entrez Gene 1956 Human P00533
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. The protein kinase family is one of the largest families of proteins in eukaryotes, classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. Epidermal Growth factor receptor (EGFR) is the prototype member of the type 1 receptor tyrosine kinases. EGFR overexpression in tumors indicates poor prognosis and is observed in tumors of the head and neck, brain, bladder, stomach, breast, lung, endometrium, cervix, vulva, ovary, esophagus, stomach and in squamous cell carcinoma.
Synonyms:	Epidermal growth factor receptor, EGF Receptor, erbB-1, c-ErbB-1