

Product datasheet for **AM11067SU-N**

EGFR Mouse Monoclonal Antibody [Clone ID: 51CT78.40.5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	51CT78.40.5
Applications:	WB
Recommended Dilution:	ELISA: 1/4000. Western blotting: 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified His-tagged EGFR protein(Fragment).
Specificity:	This antibody is specific to EGFR.
Formulation:	State: Ascites State: Ascites containing 0.09% (W/V) Sodium Azide as preservative.
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 1956 Human P00533



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Background:

EGFR is a transmembrane glycoprotein that is a member of a family of protein tyrosine kinases crucial in maintaining a normal balance in cell growth and development. A prototype member of the type 1 receptor tyrosine kinases, EGFR is encoded by the cellular oncogene *cerbB1*. EGFR has an extracellular ligand binding domain, a single transmembrane region, and cytoplasmic domain which is composed of a tyrosine kinase domain and a carboxy terminal domain. The carboxy terminal domain contains at least four tyrosine autophosphorylation sites. Increased production or activation of EGFR has been associated with poor prognosis in a variety of tumors. EGFR overexpression 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

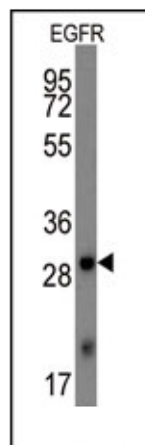
Product images:


Figure 1. Western blot analysis of anti-EGFR Monoclonal Antibody (Cat.#AM11067SU-N) by EGFR recombinant protein (Fragment). EGFR (Fragment) protein (arrow) was detected using the ascites Mab (1:2000).