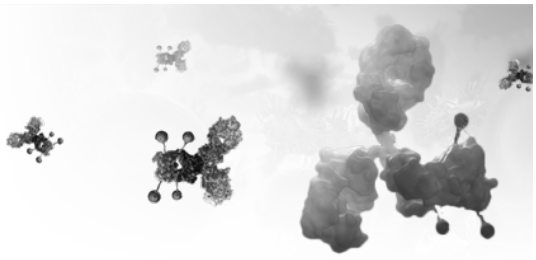

Anti-EGFR (aa 26-125) polyclonal antibody (DPAB-DC829)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.
Immunogen	EGFR (NP_005219, 26 a.a. ~ 125 a.a) partial recombinant protein with GST tag. The sequence is EEKKVCQGTSNKLTQLGTFEDHFLSLQRMFNNCEVVLGNLEITYVQRNYDLSFLKTIQEV AGYVLIALNTVERIPLENLQIIRGNMYYENSYALAVLSNY
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	EGFR epidermal growth factor receptor [Homo sapiens (human)]
Official Symbol	EGFR
Synonyms	EGFR; epidermal growth factor receptor; ERBB; HER1; mENA; ERBB1; PIG61; proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog;
Entrez Gene ID	1956
Protein Refseq	NP_005219
UniProt ID	P00533
Chromosome Location	7p12
Pathway	AGE/RAGE pathway; Adherens junction; Alpha6-Beta4 Integrin Signaling Pathway; Arf6 signaling events
Function	ATP binding; MAP kinase kinase kinase activity; actin filament binding; chromatin binding

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