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anti-EGFR antibody (AA 693-893)



Images

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Publications



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Overview

Quantity:	0.1 mg
Target:	EGFR
Binding Specificity:	AA 693-893
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EGFR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human EGFR (AA: 693-893) expressed in E. coli.
Clone:	5E10D3
Isotype:	lgG2b
Purification:	purified

Target Details

Target:	EGFR
Alternative Name:	EGFR (EGFR Products)
Background:	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.,		
Aliases: ERBB, HER1, mENA, ERBB1, PIG61		

Molecular Weight:	175 kDa
Gene ID:	1956
HGNC:	1956

NF-kappaB Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Stem Cell Maintenance, Hepatitis C, Positive Regulation of Response to DNA Damage Stimulus, Interaction of EGFR with phospholipase C-gamma, Thromboxane A2 Receptor Signaling, EGFR Downregulation, S100 Proteins

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Pathways:

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

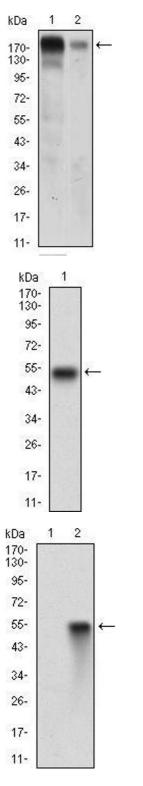
Publications

Product cited in:

Yoshida, Ishikawa, Niitsu, Nakazato, Watanabe, Shiraishi, Shiina, Hashimoto, Kanahara, Hasegawa, Enohara, Kimura, Iyo, Hashimoto: "Decreased serum levels of mature brain-derived neurotrophic factor (BDNF), but not its precursor proBDNF, in patients with major depressive

disorder." in: **PLoS ONE**, Vol. 7, Issue 8, pp. e42676, (2012) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis using EGFR mouse mAb against A431 (1) AND Hela (2) cell lysate.

Western Blotting

Image 2. Western blot analysis using EGFR mAb against human EGFR recombinant protein. (Expected MW is 48.2 kDa)

Western Blotting

Image 3. Western blot analysis using EGFR mAb against HEK293 (1) and EGFR (AA: 693-893)-hlgGFc transfected HEK293 (2) cell lysate.

Please check the product details page for more images. Overall 5 images are available for ABIN1724889.