

Datasheet for ABIN1724890
anti-EGFR antibody (AA 693-893)



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7 Images

2 Publications

Overview

Quantity:	100 µL
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, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	EGFR Antibody
Immunogen:	Purified recombinant fragment of human EGFR (AA: 693-893) expressed in E. Coli.
Clone:	7A6F12
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	EGFR
Alternative Name:	EGFR (EGFR Products)
Background:	Description: The protein encoded by this gene is a transmembrane glycoprotein that is a

Target Details

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:	175kDa
Gene ID:	1956
HGNC:	1956
UniProt:	P00533
Pathways:	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 FCM: 1/200 - 1/400
Restrictions:	For Research Use only

Handling

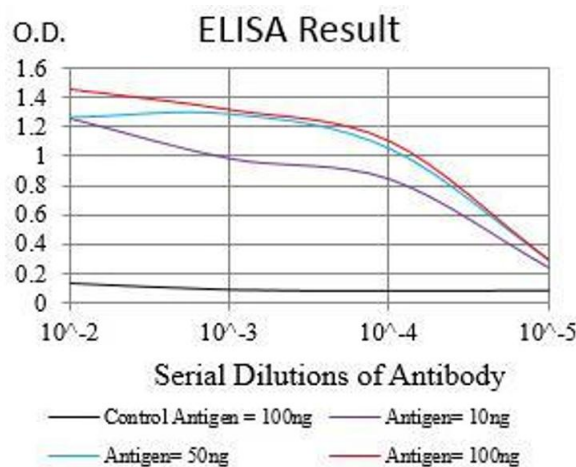
Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

Product cited in: Derer, Bauer, Lohse, Scheel, Berger, Kellner, Peipp, Valerius: "Impact of epidermal growth factor receptor (EGFR) cell surface expression levels on effector mechanisms of EGFR antibodies." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 189, Issue 11, pp. 5230-9, (2012) ([PubMed](#)).

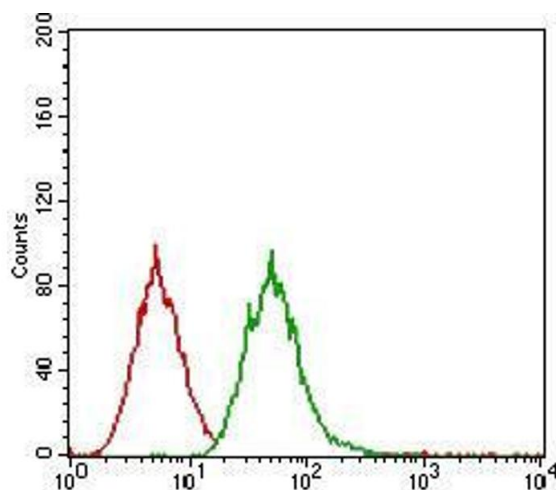
Minder, Bayha, Becker-Pauly, Sterchi: "Meprin? transactivates the epidermal growth factor receptor (EGFR) via ligand shedding, thereby enhancing colorectal cancer cell proliferation and migration." in: **The Journal of biological chemistry**, Vol. 287, Issue 42, pp. 35201-11, (2012) ([PubMed](#)).

Images



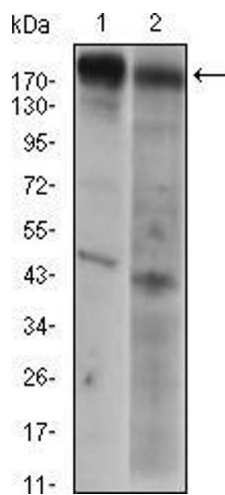
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of A431 cells using EGFR mouse mAb (green) and negative control (red).



Western Blotting

Image 3. Western blot analysis using EGFR mouse mAb against A431 (1) AND HeLa (2) cell lysate.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1724890.