

Datasheet for ABIN1724825

anti-EGFR Mutant (AA 693-893) antibody[Go to Product page](#)**7** Images**2** Publications

Overview

Quantity:	100 µL
Target:	EGFR Mutant
Binding Specificity:	AA 693-893
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Western Blotting (WB)

Product Details

Purpose:	EGFR mutant Antibody
Immunogen:	Purified recombinant fragment of human EGFR mutant (AA: 693-893) expressed in E. Coli.
Clone:	5G9B5
Isotype:	IgG1
Characteristics:	Mutant
Purification:	Purified antibody

Target Details

Target:	EGFR Mutant
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](#)

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

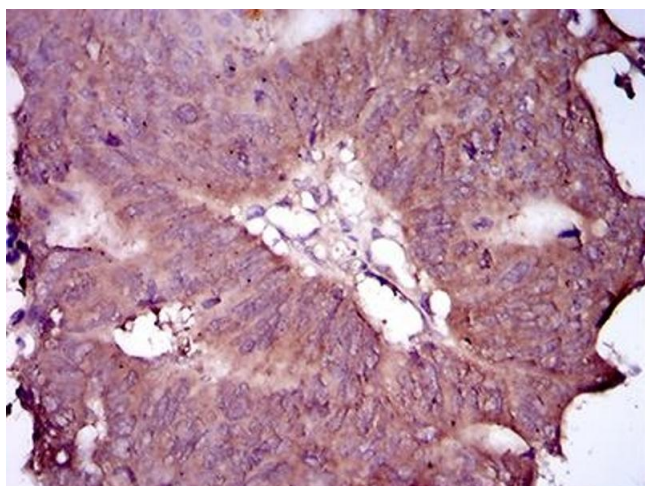
Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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](#)).

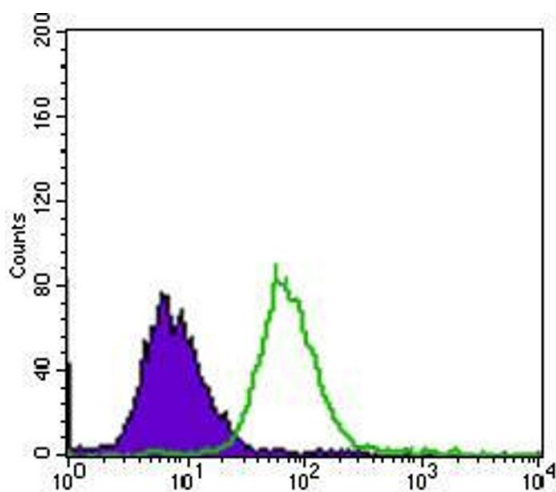
Minder, Bayha, Becker-Pauly, Sterchi: "Meprin? transactivates the epidermal growth factor receptor (EGFR) via ligand shedding, thereby enhancing colorectal cancer cell proliferation and migration." in: **The Journal of biological chemistry**, Vol. 287, Issue 42, pp. 35201-11, (2012) ([PubMed](#)).

Images



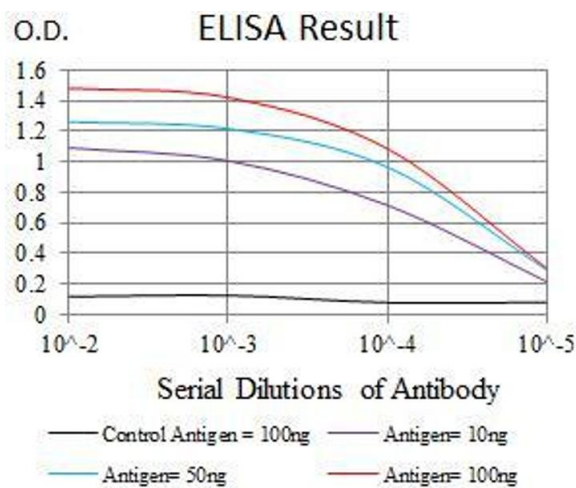
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using EGFR mutant mouse mAb with DAB staining.



Flow Cytometry

Image 2. Flow cytometric analysis of HepG2 cells using EGFR mutant mouse mAb (green) and negative control (purple).



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1724825.