

Datasheet for ABIN343717

anti-EGFR antibody (pTyr1173)[Go to Product page](#)**4** Images**1** Publication

Overview

Quantity:	100 µg
Target:	EGFR
Binding Specificity:	pTyr1173
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EGFR antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Intracellular Flow Cytometry (ICFC)

Product Details

Purpose:	Anti-Hu EGFR (pY1173) Purified
Immunogen:	Synthetic phospho-peptide covering sequence around tyrosine 1173 of human EGFR.
Clone:	EM-13
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody EM-13 reacts with human EGFR (ErbB1 / HER1) phosphorylated on intracellular tyrosine 1173.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	EGFR
Alternative Name:	EGFR (EGFR Products)
Background:	Epidermal growth factor receptor,The oncoprotein EGFR (epidermal growth factor receptor), also known as HER1 / ErbB1, is a member of ErbB family of cell surface receptor tyrosine kinases. This 170 kDa transmembrane glycoprotein is often associated with cancerogenesis, although its activation state is controlled at various levels including trafficking and degradation steps. Binding of receptor-specific ligands to the EGFR ectodomain results in formation of homodimeric or heterodimeric kinase-active complexes into which HER2 / ErbB2 is recruited as a preferred partner. Subsequent signaling cascades such as RAS/MAPK and PI3K/AKT pathways lead to cell proliferation and survival responses.,EGFR, EGF-R, Her1, ERBB1, PIG61, NISBD2
Gene ID:	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:	Western blotting: Recommended dilution: 1 µg/mL, positive control: EGF-stimulated A431, negative control: non-stimulated A431. Flow cytometry: Recommended dilution: 1-4 µg/mL. Intracellular staining.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM 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.
Handling Advice:	Do not freeze.

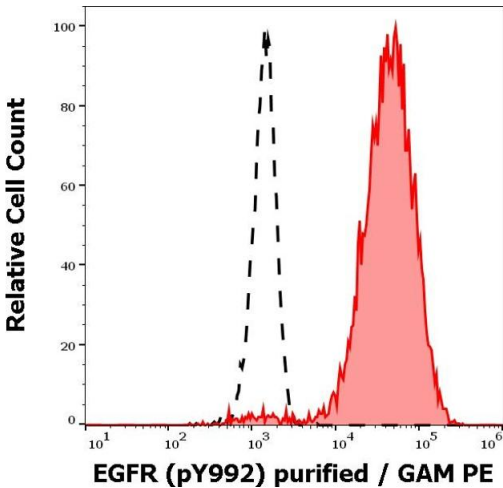
Handling

Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

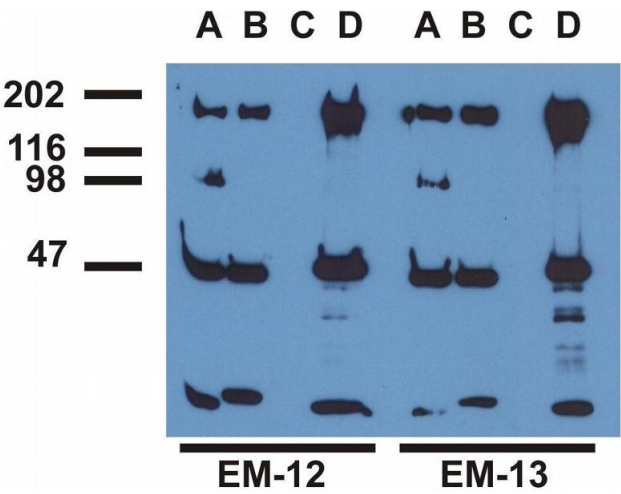
Product cited in:	Shlepova, Bychkov, Shipunova, Shramova, Shulepko, Gornostaeva, Kiseleva, Kukushkin, Kazakov, Tukhovskaya, Dyachenko, Murashev, Shenkarev, Deyev, Kirpichnikov, Lyukmanova: "Combination with a Low Dose of Doxorubicin Further Boosts the Antitumor Effect of SLURP-1 In Vivo and Associates with EGFR Down-Regulation." in: Acta naturae , Vol. 17, Issue 1, pp. 87-96, (2025) (PubMed).
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Images



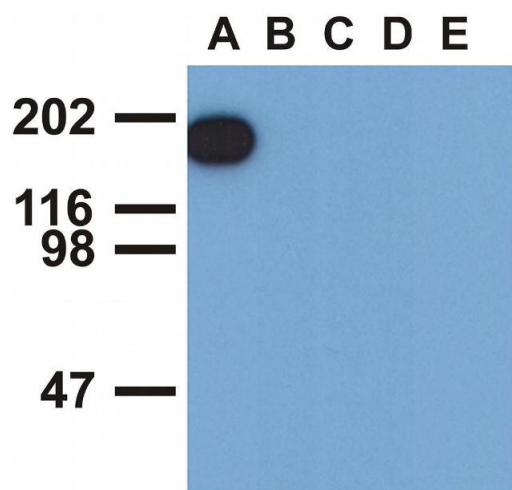
Flow Cytometry

Image 1. Separation of EGF stimulated A431 cell suspension stained using anti-human EGFR (pY1173) (EM-13) purified antibody (concentration in sample 3 µg/mL, GAM PE, red-filled) from EGF stimulated A431 cell suspension unstained by primary antibody (GAM PE, black-dashed) in flow cytometry analysis (intracellular staining).



Immunoprecipitation

Image 2. Immunoprecipitation of EGFR from EGF-treated A431 cells by monoclonal antibodies EM-12 (A), (B), a commercial anti-EGFR polyclonal antibody (C) and anti-EGFR monoclonal mAb108 (D). The precipitates were immunoblotted with EM-12 or antibody, and goat anti-mouse-HRP.



Western Blotting

Image 3. Western blotting analysis of EGFR (phospho-Tyr1173) by mouse monoclonal antibody EM-13 in EGF-treated A431 (A), CALU-3 (B), MCF-7 (C), Jurkat (D) and Ramos (E) cell lines (reduced conditions).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN343717.