

# Product Datasheet

## EGFR [p Tyr1173] Antibody (EM-13) - BSA Free NBP1-44893

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP1-44893**

EGFR [p Tyr1173] Antibody (EM-13) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	EM-13
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4

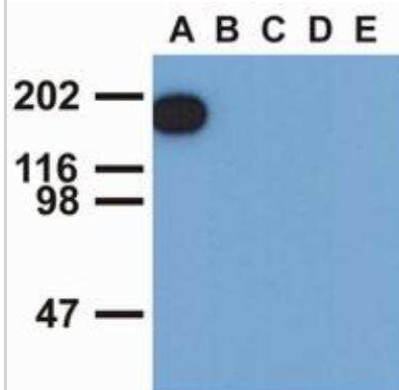
Product Description	
Description	Novus Biologicals Mouse EGFR [p Tyr1173] Antibody (EM-13) - BSA Free (NBP1-44893) is a monoclonal antibody validated for use in WB, Flow and IP. Anti-EGFR Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1956
Gene Symbol	EGFR
Species	Human
Specificity/Sensitivity	The antibody EM-13 reacts with human EGFR (ErbB1 / HER1) phosphorylated on tyrosine 1173.
Immunogen	Synthetic phospho-peptide covering sequence around tyrosine 1173 of human EGFR.

Product Application Details	
Applications	Western Blot, Flow (Intracellular), Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1 ug/ml, Immunoprecipitation 1:50, Flow (Intracellular) 1-4 ug/ml, CyTOF-ready
Application Notes	This antibody is Cytof ready.



## Images

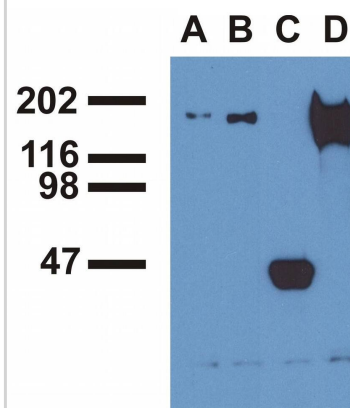
Western Blot: EGF R/ErbB1 [p Tyr1173] Antibody (EM-13) [NBP1-44893] - Analysis of EGFR (phospho-Tyr1173) by mouse monoclonal antibody EM-13 in EGF-treated A431 (A), CALU-3 (B), MCF-7 (C), Jurkat (D) and Ramos (E) cell lines (reduced conditions).



Immunoprecipitation: EGF R/ErbB1 [p Tyr1173] Antibody (EM-13) [NBP1-44893] - EGFR from EGF-treated A431 cells by monoclonal antibodies EM-12 (A), EM-13 (B), a commercial anti-EGFR polyclonal antibody (C) and anti-EGFR monoclonal (D). The precipitates were immunoblotted with EM-12 or EM-13 antibody, and goat anti-mouse-HRP.



Separation of EGF stimulated A431 cell suspension stained using anti-human EGFR (pY1173) (EM-13) purified antibody (concentration in sample 3 ug/ml, GAM PE, red-filled) from EGF stimulated A431 cell suspension unstained by primary antibody (GAM PE, black-dashed) in Analysis (intracellular staining).



## Publications

Wirth D, Özdemir E, Hristova K Senescence-associated secretory phenotypes in rat-derived dedifferentiated fat cells with replicative senescence bioRxiv 2023-02-14

Details:  
Citation using the version of this antibody.

Yao TW, Zhang J, Prados M et al. Acquired resistance to BRAF inhibition in BRAFV600E mutant gliomas. Oncotarget. 2017-01-03 [PMID: 27611946] (WB, Human)

Details:  
This EGFR antibody was used to confirm EGFR knockdown in human cell lines.



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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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