

EGFR Monoclonal Antibody (H9B4)

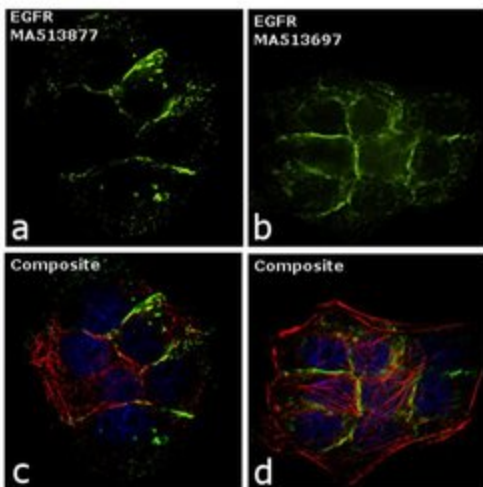
Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Fruit fly, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	H9B4
Conjugate	Unconjugated
Immunogen	Purified EGFR from A431 cells
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10983770

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	15 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Immunoprecipitation (IP)	2 µg/mL	4 Publications
Miscellaneous PubMed (Misc)	-	2 Publications

Product Specific Information

MA5-13877 targets Epidermal Growth Factor Receptor in IP and WB applications and shows reactivity with Human samples.

The MA5-13877 immunogen is purified EGFR from A431 cells.

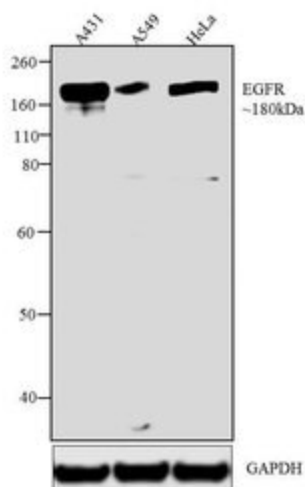


EGFR Antibody (MA5-13877)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Immunofluorescence of EGFR using EGFR antibody (Product # MA5-13877) performed along with EGFR (528 + 199.12), Mouse cocktail Antibody (Product # MA5-13697) shows similar pattern of EGFR expression in A-431 cells. Independent antibody validation info.

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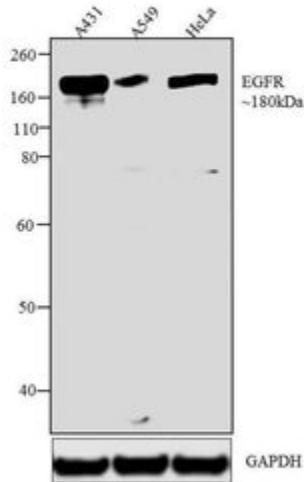
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Expression of EGFR was observed specifically in A-431 cell line using EGFR Mouse Monoclonal Antibody (Product # MA5-13877) in western blot. Relative expression validation info.



Product Images For EGFR Monoclonal Antibody (H9B4)

EGFR Antibody (MA5-13877) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of A431 (Lane 1), A549 (Lane 2) and HeLa (Lane 3). The blots were probed with Anti-EGFR Mouse Monoclonal Antibody (Product # MA5-13877, 1-3 µg/mL) and detected by chemiluminescence Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 180 kDa band corresponding to EGFR was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10 % Bis-Tris gel (Product # NP0301BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with by overnight wet transfer method. The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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24 References

Western Blot (15)

Bladder cancer (Amsterdam, Netherlands)

Molecular Correlates of *In Vitro* Responses to Dacomitinib and Afatinib in Bladder Cancer.

"MA5-13877 was used in western blotting to detect levels of EGFR in bladder cancer cell lines."

Authors: Tamura S,Wang Y,Veeneman B,Hovelson D,Bankhead A,Broses LJ,Lorenzatti Hiles G,Liebert M,Rubin JR, Day KC,Hussain M,Neamati N,Tomlins S,Palmos PL,Grivas P,Day ML

Species
Not Applicable

Dilution
Not Cited

Year
2018

Nature communications

Dub3 inhibition suppresses breast cancer invasion and metastasis by promoting Snail1 degradation.

"MA513877 was used in immunocytochemistry and western blot to test if Dub3 contributes to Snail1 stability in cancer cells"

Authors: Wu Y,Wang Y,Lin Y,Liu Y,Wang Y,Jia J,Singh P,Chi Yi,Wang C,Dong C,Li W,Tao M,Napier D,Shi Q,Deng J, Evers BM,Zhou BP

Species
Human

Dilution
1:1000

Year
2017

[View more WB references on thermofisher.com](#)

Immunohistochemistry (1)

Molecular carcinogenesis

Soluble-E-cadherin activates HER and IAP family members in HER2+ and TNBC human breast cancers.

"MA5-13877 was used in immunohistochemistry and immunoprecipitation to study targeting sEcad for treatment of breast cancer"

Authors: Brouxhon SM,Kyrkanides S,Teng X,O'Banion MK,Clarke R,Byers S,Ma L

Species
Mouse

Dilution
1:1000

Year
2014

Immunocytochemistry (2)

The Journal of biological chemistry

Metastasis suppressor tetraspanin CD82/KAI1 regulates ubiquitylation of epidermal growth factor receptor.

"MA5-13877 was used in immunocytochemistry and western blot to study the modulation of EGFR ubiquitylation by the CD82 metastasis suppressor"

Authors: Odintsova E,van Niel G,Conjeaud H,Raposo G,Iwamoto R,Mekada E,Berditchevski F

Species
Human

Dilution
Not Cited

Year
2013

More applications with references on thermofisher.com

IP (4) **Misc (2)**

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