

# EGFR Monoclonal Antibody (SP84)

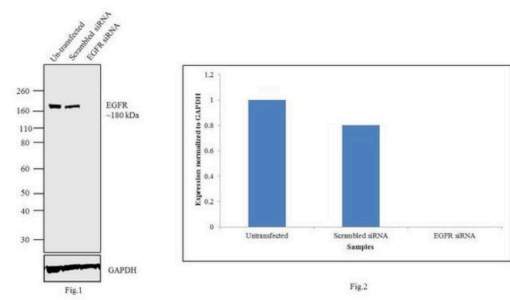
Product Details	
Size	500 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	SP84
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to C-terminus of human EGFR protein.
Form	Liquid
Concentration	0.006 mg/mL
Purification	Protein A/G
Storage buffer	PBS, pH 7.6, with 1% BSA
Contains	0.1% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2537879

Applications	Tested Dilution	Publications
Western Blot (WB)	1:25	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100	-
Immunocytochemistry (ICC/IF)	1:1,000	-
Flow Cytometry (Flow)	1:200	-

## Product Specific Information

Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 30 min at room temperature. A suggested positive control is lung carcinoma or placenta tissue.

Product Images For EGFR Monoclonal Antibody (SP84)

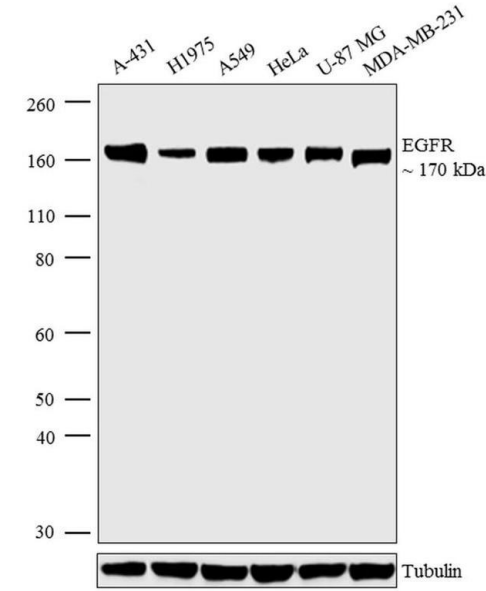


EGFR Antibody (MA5-16360)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-549 cells were transfected with EGFR siRNA and reduction of signal was observed using EGFR Rabbit Monoclonal Antibody (Product # MA5-16360) in Western Blot. {KD}

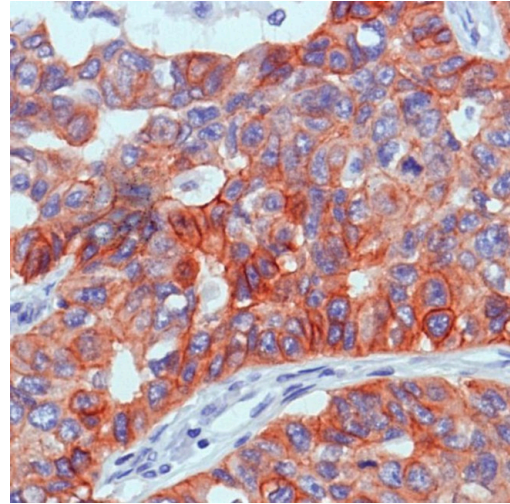
EGFR Antibody (MA5-16360) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of A-431 (Lane 1), H1975 (Lane 2), A549 (Lane 3), HeLa (Lane 4), U-87 MG (Lane 5) and MDA-MB-231 (Lane 6). The blots were probed with Anti-EGFR Monoclonal Antibody (Product # MA5-16360, 1:25 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 170 kDa band corresponding to EGFR was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane using the wet transfer system. 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).



EGFR Antibody (MA5-16360) in IHC (P)

Immunohistochemical analysis of Epidermal Growth Factor Receptor using anti-Epidermal Growth Factor Receptor Monoclonal Antibody (Product # MA5-16360) in Lung Squamous cell carcinoma Cancer Tissue. The recommended dilution for this antibody in immunohistochemistry applications is 1:100.



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