

EGFR Recombinant Rabbit Monoclonal Antibody (30H45L48)

Product Details

Size	100 µg
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	30H45L48
Conjugate	Unconjugated
Immunogen	proprietary
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532314

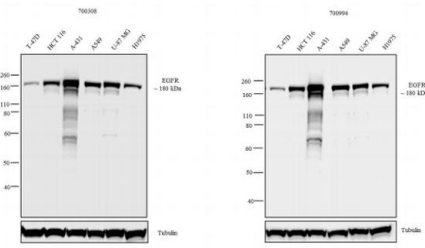
Applications	Tested	Dilution	Published
Western Blot (WB)	✓	1:1:000	1 Publication
Immunocytochemistry (ICC)	✓	5 µg/mL	2 Publications
Immunofluorescence (IF)	✓	5 µg/mL	1 Publication

Product Specific Information

This antibody is predicted to react with canine, mouse and rat based on sequence homology.

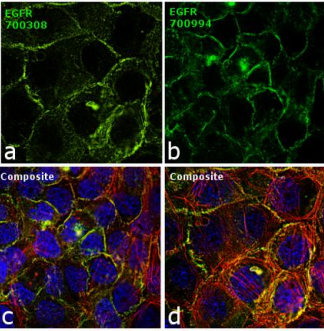
Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.



EGFR Antibody (700308)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Western blot of EGFR using EGFR Monoclonal Antibody (Product # 700308), tested in parallel with EGFR Monoclonal Antibody (Product # 700994), shows similar expression of EGFR in the cell lines tested. Independent antibody validation info.

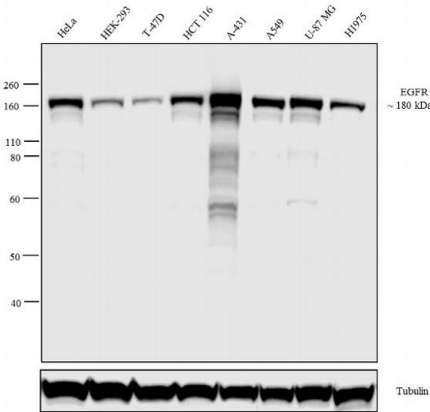


EGFR Antibody (700308)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Immunofluorescence of EGFR using EGFR Antibody (30H45L48), Recombinant Rabbit Monoclonal (Product # 700308) along with another EGFR antibody (Product # 700994) shows similar pattern of EGFR expression in A-431 cells. Independent antibody validation info.

EGFR Antibody (700308)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. A higher level of expression of EGFR was observed in A-431 compared to A549, HeLa, U-87 MG and HCT116 using EGFR Monoclonal Antibody (Product # 700308) in Western Blot. Relative expression validation info.



View more figures on thermofisher.com

4 References

Western Blot (1)

Bioorganic and medicinal chemistry

Functional evaluation of fluorescein-labeled derivatives of a peptide inhibitor of the EGF receptor dimerization.

"700308 was used in western blot to characterize novel EGF receptor inhibitors"

Authors: Toyama K, Mizuguchi T, Nomura W, Tamamura H

Species
Human

Dilution
Not Cited

Year
2016

Immunocytochemistry (2)

Analytical chemistry

Multiplexed Analysis for Anti-Epidermal Growth Factor Receptor Tumor Cell Growth Inhibition Based on Quantum Dot Probes.

"700308 was used in immunocytochemistry to describe a multiplex analysis method to examine anti-EGFR functions in heterogeneous cells"

Authors: Ren D, Xia Y, Wang B, You Z

Species
Human

Dilution
Not Cited

Year
2016

Cellular and molecular bioengineering

EGF as a New Therapeutic Target for Medulloblastoma Metastasis.

"700308 was used in immunocytochemistry to examine the role of epidermal growth factor in medulloblastoma chemotactic migration"

Authors: Rico-Varela J, Singh T, McCutcheon S, Vazquez M

Species
Human

Dilution
5 µg/ml

Year
2015

Immunofluorescence (1)

Colloids and surfaces. B, Biointerfaces

Detachment of cells adhered on the photoreactive phospholipid polymer surface by photoirradiation and their functionality.

"700308 was used in immunocytochemistry to study the utility of a photoreactive phospholipid bilayer for modulating cell adhesion and detachment and the utility for cellular engineering"

Authors: Byambaa B, Konno T, Ishihara K

Species
Human
Mouse

Dilution
Not Cited
Not Cited

Year
2013

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