Recombinant EGFR (Epidermal Growth Factor Receptor) Antibody

Rabbit Monoclonal Antibody [Clone EGFR/9166R]

Catalog No	Format	Size
1956-RBM37-P0	Purified Ab with BSA and Azide	200ug/ml
1956-RBM37-P1	Purified Ab with BSA and Azide	200ug/ml
1956-RBM37-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

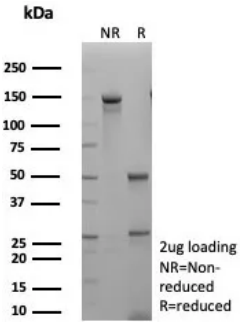
Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

Product Details

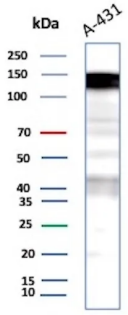
Clone	EGFR/9166R
Gene Name	EGFR
Immunogen	Recombinant fragment (around aa300-500) of human EGFR protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	~170kDa (wild type) and ~145kDa (vIII variant)
Cellular Localization	Cell surface
Species Reactivity	Human
Positive Control	A-431 cells, Breast|colon or bladder cancer (IHC).|Human placenta

**Optimal dilution for a specific application should be determined.*

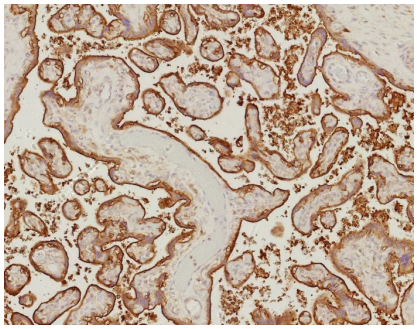
Product Images for Recombinant EGFR (Epidermal Growth Factor Receptor) Antibody



SDS-PAGE Analysis of Purified EGFR Recombinant Rabbit Monoclonal Antibody (EGFR/9166R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of A431 cell lysate using EGFR-Recombinant Rabbit Monoclonal Antibody (EGFR/9166R).



Formalin-fixed, paraffin-embedded human placenta stained with EGFR Recombinant Rabbit Monoclonal Antibody (EGFR/9166R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

This MAb recognizes a protein of 170kDa, identified as EGFR. EGFR is type I receptor tyrosine kinase with sequence homology to erbB-1, -2, -3 -4 or HER-1, -2, -3 -4. It binds to Epidermal Growth Factor (EGF), Transforming Growth Factor-a (TGF-a), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin.EGFR is overexpressed in tumors of breast, brain, bladder, lung, gastric, head & neck, esophagus, cervix, vulva, ovary, and endometrium. It is predominantly present in squamous cell carcinomas.

Research Areas

Breast Cancer, Cardiovascular, Developmental Biology, AKT Signaling, Bladder Cancer, Colon Cancer, Infectious Disease, MAPK Signaling, Signal Transduction, Transcription Factors

Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.