

Datasheet for ABIN6939295  
**anti-EGFR antibody**

5 Images



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## Overview

Quantity:	100 µg
Target:	EGFR
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EGFR antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant full-length human EGFR protein
Clone:	GFR-1667
Isotype:	IgG1 kappa
Specificity:	This MAbs recognizes a protein of 170 kDa, 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- $\alpha$ (TGF- $\alpha$ ), 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.
Purification:	Purified by Protein A/G

## Target Details

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Target:	EGFR
Alternative Name:	EGFR ( <a href="#">EGFR Products</a> )
Molecular Weight:	~170kDa (wild type) and ~145kDa (vIII variant)
Gene ID:	1956
UniProt:	<a href="#">P00533</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Hepatitis C</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">EGFR Downregulation</a> , <a href="#">S100 Proteins</a>

## Application Details

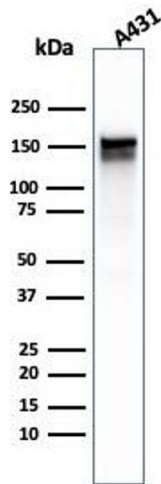
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Application Notes:	Positive Control: A431 cells. Placenta, breast, colon or bladder cancer (IHC). Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

## Handling

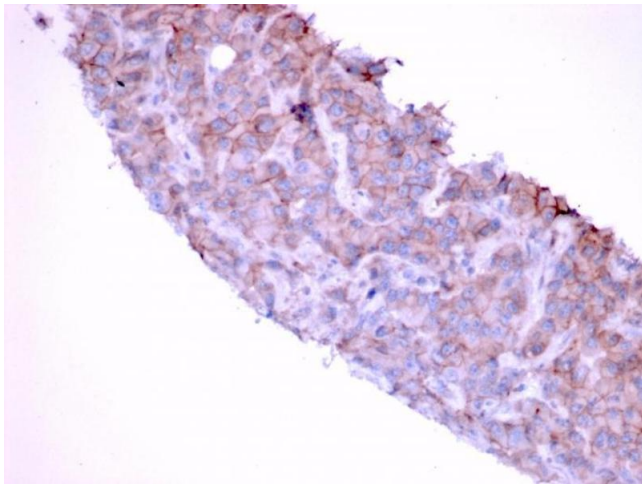
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Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C
Storage Comment:	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.
Expiry Date:	24 months



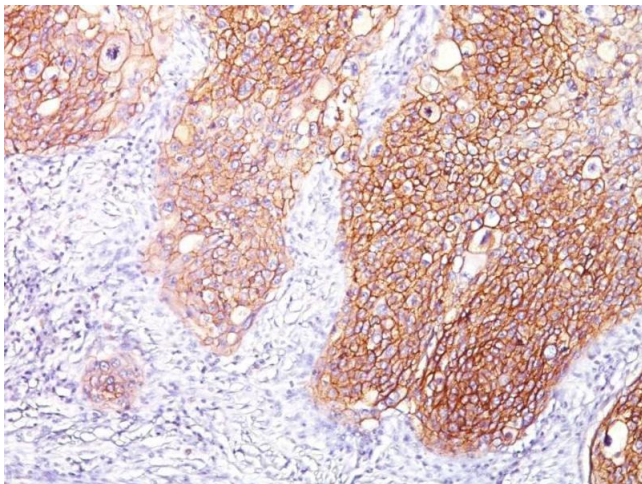
### Western Blotting

**Image 1.** Western Blot Analysis of A431 cell lysate using EGFR Mouse Monoclonal Antibody (GFR/1667).



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Bladder stained with EGFR Mouse Monoclonal Antibody (GFR/1667).



### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Lung SqCC stained with EGFR Mouse Monoclonal Antibody (GFR/1667).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939295.