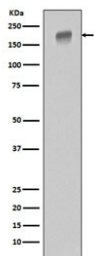


## EGFR Antibody [clone AEF-5] (RQ4838)

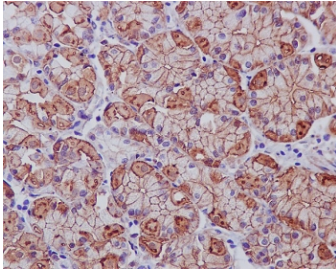
| Catalog No. | Formulation                                                                | Size   |
|-------------|----------------------------------------------------------------------------|--------|
| RQ4838      | Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA | 100 ul |

[Bulk quote request](#)

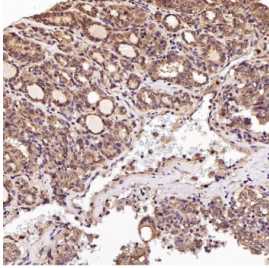
|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| Availability       | 1-2 weeks                                                                                                    |
| Species Reactivity | Human, Mouse, Rat                                                                                            |
| Format             | Purified                                                                                                     |
| Clonality          | Rabbit Monoclonal                                                                                            |
| Isotype            | Rabbit IgG                                                                                                   |
| Clone Name         | AEF-5                                                                                                        |
| Purity             | Affinity purified                                                                                            |
| UniProt            | P00533                                                                                                       |
| Localization       | Cytoplasmic                                                                                                  |
| Applications       | Western Blot : 1:5000-1:10000<br>Immunohistochemistry (FFPE) : 1:50-1:200<br>Immunofluorescence : 1:50-1:200 |
| Limitations        | This EGFR antibody is available for research use only.                                                       |



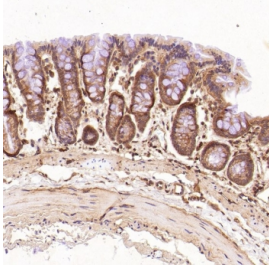
Western blot testing of human HeLa cell lysate with EGFR antibody. Expected molecular weight: 134-170 kDa depending on glycosylation level.



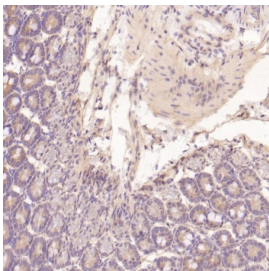
IHC staining of FFPE human stomach cancer with EGFR antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



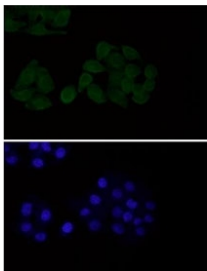
IHC staining of FFPE human thyroid cancer with EGFR antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



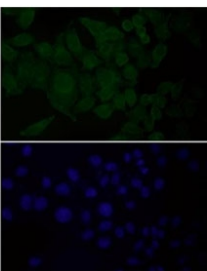
IHC staining of FFPE rat stomach tissue with EGFR antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



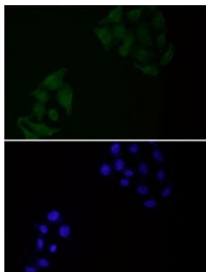
IHC staining of FFPE mouse intestine tissue with EGFR antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



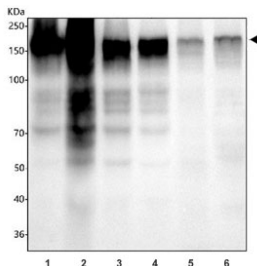
Immunofluorescent staining of FFPE human HeLa cells with EGFR antibody at 1:50 dilution (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE human HeLa cells with EGFR antibody at 1:150 dilution (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE human HeLa cells with EGFR antibody at 1:1500 dilution (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human A431, 3) human A549, 4) human U-87 MG, 5) rat liver and 6) mouse liver tissue lysate with EGFR antibody. Expected molecular weight: 134-170 kDa depending on glycosylation level.

## Description

EGFR is a receptor tyrosine kinase. Receptor for epidermal growth factor (EGF) and related growth factors including TGF- $\alpha$ , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the control of cell growth and differentiation.

## Application Notes

Optimal dilution of the EGFR antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human EGFR was used as the immunogen for the EGFR antibody.

## Storage

Store the EGFR antibody at -20°C.