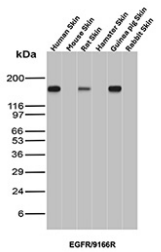
# Recombinant Epidermal growth factor receptor Antibody / EGFR [clone EGFR/9166R] (V5391)

| Catalog No. | Formulation | Size |
|---|---|---|
| V5391-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5391-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5391SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

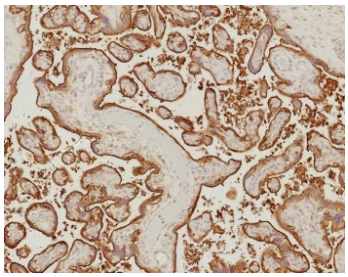
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

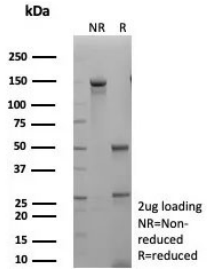
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG, kappa |
| **Clone Name** | EGFR/9166R |
| **Purity** | Protein A/G affinity |
| **UniProt** | P00533 |
| **Localization** | Cell Surface |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml<br>Western blot: 2-4ug/ml |
| **Limitations** | This recombinant Epidermal growth factor receptor antibody is available for research use only. |



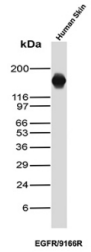

EGFR Antibody Skin Tissue WB. Western blot analysis of skin tissue lysates from multiple species using EGFR antibody detecting Epidermal growth factor receptor, clone EGFR/9166R. Lanes include human skin, mouse skin, rat skin, hamster skin, guinea pig skin, and rabbit skin. A predominant band is observed at approximately 150-180 kDa across species, consistent with the predicted molecular weight of EGFR and its glycosylated forms. The consistent banding pattern supports EGFR expression in epithelial-rich skin tissue across species.



IHC staining of FFPE human placenta tissue with recombinant Epidermal growth factor receptor antibody (clone EGFR/9166R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free recombinant Epidermal growth factor receptor antibody (clone EGFR/9166R) as confirmation of integrity and purity.




Western blot testing of human A431 cell lysate with recombinant Epidermal growth factor receptor antibody (clone EGFR/9166R). Expected molecular weight: 134-180 kDa depending on glycosylation level.

## Description

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.

## Application Notes

Optimal dilution of the recombinant Epidermal growth factor receptor antibody should be determined by the researcher.

## Immunogen

A recombinant fragment (within amino acids 300-500) of human EGFR protein was used as the immunogen for the recombinant Epidermal growth factor receptor antibody.

## Storage

Aliquot the recombinant Epidermal growth factor receptor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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