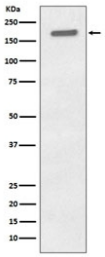
# Phospho-EGF Receptor Antibody (pY1173) [clone EHG-5] (RQ4843)

| Catalog No. | Formulation | Size |
|---|---|---|
| RQ4843 | Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA | 100 ul |

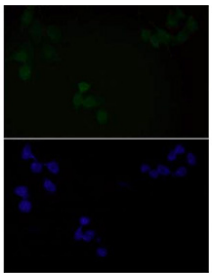
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

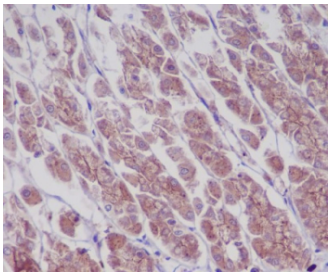
| | |
|---|---|
| **Availability** | 1-2 weeks |
| **Species Reactivity** | Human, Rat |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG |
| **Clone Name** | EHG-5 |
| **Purity** | Affinity purified |
| **UniProt** | P00533 |
| **Localization** | Nuclear, cytoplasmic, cell membrane |
| **Applications** | Western blot: 1:500<br>Immunohistochemistry (FFPE): 1:50<br>Immunofluorescence: 1:50 |
| **Limitations** | This Phospho-EGF Receptor antibody is available for research use only. |




Western blot testing of lysate from human A431 cells treated with EGF with Phospho-EGFR antibody. Expected molecular weight: 134-170 kDa depending on glycosylation level.



Immunofluorescent staining of FFPE human HeLa cells with Phospho-EGF Receptor antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE rat stomach tissue with Phospho-EGF Receptor antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

Phosphorylated EGF Receptor (Phospho-EGFR) is the activated form of the epidermal growth factor receptor, a transmembrane tyrosine kinase that regulates cell growth, survival, and differentiation. Phosphorylation occurs on specific tyrosine residues in the cytoplasmic domain upon ligand binding, triggering downstream signaling cascades such as the MAPK, PI3K/AKT, and JAK/STAT pathways.

Aberrant phosphorylation or overactivation of EGFR has been linked to multiple cancers, inflammatory disorders, and tissue remodeling processes. Monitoring Phospho-EGFR levels provides insight into receptor activation status, signaling dynamics, and therapeutic response to targeted inhibitors.

Using a high-quality Phospho-EGF Receptor antibody enables sensitive detection of the activated receptor in applications such as western blot, immunohistochemistry, and ELISA. A Phospho-EGF Receptor antibody from NSJ Bioreagents ensures reproducibility and accuracy for studies in oncology, cell signaling, and targeted therapy research. Selecting the right Phospho-EGF Receptor antibody is critical for generating reliable and meaningful data.

Explore our EGFR Antibody (31G7) page for a broader view of EGFR expression and extensively validated antibody performance across applications.

## Application Notes

Optimal dilution of the Phospho-EGF Receptor antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human EGFR (surrounding pY1173) was used as the immunogen for the Phospho-EGF Receptor antibody.

## Storage

Store the Phospho-EGF Receptor antibody at -20oC.

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