Rabbit anti EGFR(pY1092) Polyclonal Antibody

Alternative Name(s): epidermal growth factor receptor; HER1; Proto-oncogene c-ErbB-1

Order Information

- **Description:** EGFR(pY1092)
- **Catalogue:** 500-12224
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB, IP
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic phosphor-peptide –PVPE-Y-INQSVP corresponding to residues surrounding Tyr 1092 of human EGF receptor.

BACKGROUND

EGFR is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for
members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding
of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation.
Mutations in this gene are associated with lung cancer.

PURIFICATION

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes STAT6 (pY641) with a phosphorylated sites of Tyr641. It does not cross-react with non-phosphospecific peptide.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 150.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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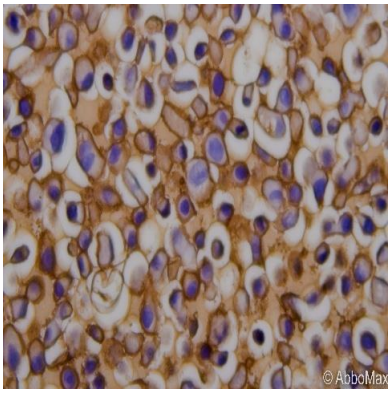
DATA ATTACHMENTS



Immunohistochemistry: SKBR-3 cell pellet (FFPE) was stained with Rabbit anti EGFR (pY1092) (Cat. 500-12224) at 1:100 for 30 min @ RT, visualized by using peroxidase-conjugate and DAB chromogen. Staining of formalin-fixed paraffin embedded tissue (FFPE) requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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