

Rabbit Anti-EGFR Phospho (pY1068) [EP11]: RM0090

Intended Use: For Research Use Only

Description: Epidermal growth factor receptor (EGFR) is a 170 kDa transmembrane glycoprotein receptor tyrosine kinase that, activated by epidermal growth factor (EGF), affects cell growth and differentiation. Binding of EGF or TGF alpha to EGFR activates tyrosine kinase activity of the receptor. Phosphorylation of Tyr 992, Tyr 1068 and Tyr 1086 is required for conformational change in the C-terminal of EGFR. Autophosphorylation of Tyr 992 creates a binding site for the phospholipase C-gamma (PLC-gamma) SH2 domain, inducing downstream signaling. In breast cancer, EGFR is predominately expressed in basal cell-like carcinoma, it has been recommended for identification of basal-like breast carcinoma along with Cytokeratin 5/6.

Specifications:

Clone: EP11
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Membrane
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and ≤0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
EGFR Phospho (pY1068) Concentrated	RM0090	1 ml

IHC Procedure*:

Positive Control Tissue: Skin, breast cancer
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.