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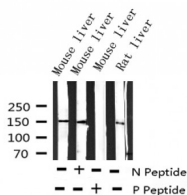
## Phospho-EGFR (Tyr1197) Ab

Cat.#: AF3048  
Size: 100ul,200ul

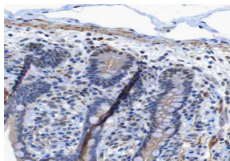
Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 175kDa  
Clonality: Polyclonal

|                               |  |
|-------------------------------|--|
| Application:                  | WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500   |
| Reactivity:                   | Human,Mouse,Rat  |
| Purification:                 | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.  |
| Specificity:                  | Phospho-EGFR (Tyr1197) Ab detects endogenous levels of EGFR only when phosphorylated at Tyrosine 1197.   |
| Immunogen:                    | A synthesized peptide derived from human EGFR around the phosphorylation site of Tyrosine 1197.  |
| Uniprot:                      | P00533   |
| 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.  |
| Subcellular Location:         | Secreted and Cell membrane. Endoplasmic reticulum membrane. Golgi apparatus membrane. Nucleus membrane. Endosome. Endosome membrane. Nucleus. In response to EGF, translocated from the cell membrane to the nucleus via Golgi and ER. Endocytosed upon activation by ligand. Colocalized with GPER1 in the nucleus of estrogen agonist-induced cancer-associated fibroblasts (CAF). |
| Tissue Specificity:           | Ubiquitously expressed. Isoform 2 is also expressed in ovarian cancers.  |
| Similarity:                   | Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily.  |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.   |



Western blot analysis of Phospho-EGFR (Tyr1197) expression in various lysates



AF3048 at 1/200 staining human colon carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3048 staining SK-OV3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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