

FGFR1 (Phospho Tyr654) Rabbit pAb

CatalogNo: YP0528 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, ELISA

MW

- 120kD (Calculated)
full length 120-140kD, FOP-FGFR1
90kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IF 1:200-1:1000

ELISA 1:20000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human FGFR1 around the phosphorylation site of Tyr654. AA range:626-675

Specificity

Phospho-Flg (Y654) Polyclonal Antibody detects endogenous levels of Flg protein only when phosphorylated at Y654. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):DYyKK

Target Information

Gene name FGFR1 BFGFR CEK FGFBR FLG FLT2 HBGFR

Protein Name Fibroblast growth factor receptor 1

| Organism | Gene ID | UniProt ID |
|----------|------------------------|-------------------------|
| Human | 2260; | P11362; |
| Mouse | 14182; | P16092; |
| Rat | 79114; | Q04589; |

Cellular Localization

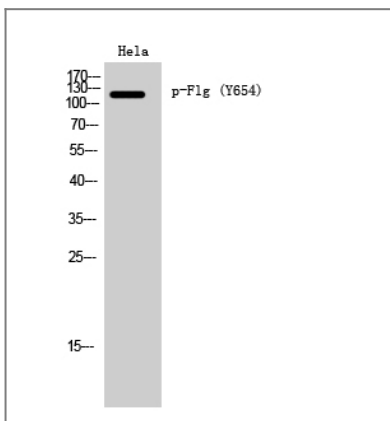
Cell membrane; Single-pass type I membrane protein. Nucleus. Cytoplasm , cytosol. Cytoplasmic vesicle. After ligand binding , both receptor and ligand are rapidly internalized. Can translocate to the nucleus after internalization , or by translocation from the endoplasmic reticulum or Golgi apparatus to the cytosol , and from there to the nucleus.

Tissue specificity Detected in astrocytoma , neuroblastoma and adrenal cortex cell lines. Some isoforms are detected in foreskin fibroblast cell lines , however isoform 17 , isoform 18 and isoform 19 are not detected in these cells.

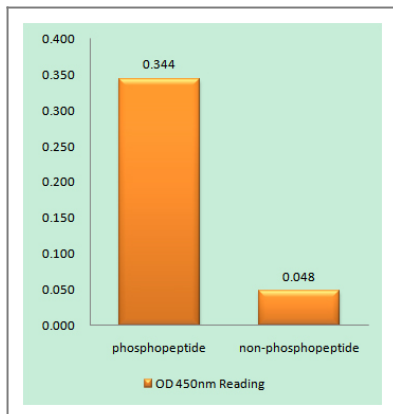
Function

Receptor for basic fibroblast growth factor. Receptor for FGF23 in the presence of KL (By similarity) . A shorter form of the receptor could be a receptor for FGF1 (aFGF) .

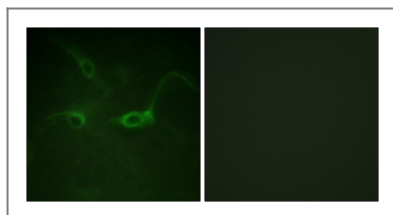
Validation Data



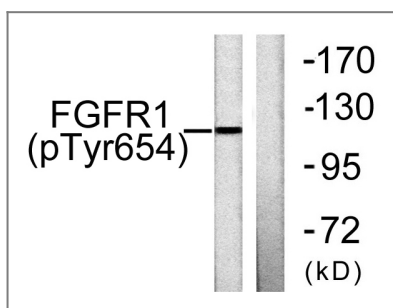
Western Blot analysis of HeLa cells using Phospho-Flg (Y654) Polyclonal Antibody diluted at 1:1000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using FGFR1 (Phospho-Tyr654) Antibody



Immunofluorescence analysis of COS7 cells, using FGFR1 (Phospho-Tyr654) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from 293 cells treated with Insulin 0.01U/ml 15', using FGFR1 (Phospho-Tyr654) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
FGFR1 (Phospho Tyr654) Rabbit pAb

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