

AB-PK638

FGR-pY208+pY209 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase Fgr



KINEXUS

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Target Protein

| | |
|---------------------------------------|---|
| Name Long: | Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene |
| Alias: | C-FGR; FGR protein; Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene; Kinase Fgr; P55c-fgr; P55-FGR; p58c-fgr; Proto-oncogene tyrosine-protein kinase FGR; SRC2; FLJ43153; MGC75096; Q5TGY6; ENSG00000000938 |
| UniProt ID: | P09769 |
| Sequence Predicted Mass (KDa): | 59.479 (529 AA; P09769) |
| Observed SDS-PAGE Mass (KDa): | 55-63 |

Immunogen

| | |
|-------------------------------------|--|
| Antibody Immunogen Source: | Human Fgr sequence peptide Cat. No.: PE-04AMH80 |
| Antibody Immunogen Sequence: | MGG(pY)(pY)ITT(bA)C (bA) = beta-alanine |
| Location in Target: | Corresponds to amino acid residues M205 to T212; In the SH2 domain. Two of This is the major in vivo phosphorylation sites in Fgr. |
| Peptide Type: | For phosphosite-specific recognition of target. |
| Target Phosphosite: | Tyr-208+Tyr-209 |

Production

| | |
|--|---|
| Antibody Host Species: | Rabbit |
| Antibody Type: | Polyclonal |
| Antibody Ig Isotype Clone Lot: | Immunoglobulin G |
| Production Method: | The immunizing peptide was produced by solid phase synthesis on a multi-peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. This antibody was also subject to negative purification over phosphotyrosine-agarose. |
| Antibody Amount: | 25 µg |
| Antibody Concentration: | 1 mg/ml |
| Lot Number: | 141204 |
| Storage Buffer: | Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol |
| Storage Conditions and Stability: | For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. |

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Applications

| | |
|--|--|
| Product Use: | Western blotting Antibody microarrays |
| Antibody Dilution Recommended: | 2 µg/ml for immunoblotting |
| Antibody Species Reactivity: | Human, mouse, rat and many other mammals; Phosphosite is highly conserved in mammals |
| Detection by Immunoblotting in Cell/Tissue Lysates: | Medium immunoreactivity of a target-sized protein by Western blotting in HeLa cells following treatment with phenylarsine oxide (PAO) . |
| Overall Antibody Specificity: | Medium-high selectivity |
| Antibody Cross Reactivities: | Some cross-reactivities in A549 cells including EGF increase in 50 KDa protein, which might be target. Clean in HeLa, except phenylarsine oxide (PAO) increases 54 KDa protein, which may be target. Fairly clean in HepG2, Jurkat and T98G cells, except that in Jurkat cells, phenylarsine PAO treatment increased 15 KDa protein detection and decreased 75 KDa protein immunoreactivity. |

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)