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Datasheet for ABIN6288345

anti-PI3K p85/p55 antibody (pTyr199, pTyr467)

Overview

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| Quantity: | 50 µL |
| Target: | PI3K p85/p55 |
| Binding Specificity: | AA 410-490, pTyr199, pTyr467 |
| Reactivity: | Human, Mouse, Rat, Monkey |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PI3K p85/p55 antibody is un-conjugated |
| Application: | ELISA, Immunofluorescence (IF), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Purpose: | <p>PI 3-kinase p85/p55 is a protein encoded by the PIK3R1 gene which is approximately 83,5 kDa. PI 3-kinase p85/p55 is localised to the cytoplasm, nucleus and cis-Golgi network. It is involved in RET signalling, IL-2 pathway, downstream signalling of activated FGFR2, regulation of lipid metabolism and insulin signalling-generic cascades. PI 3-Kinases are a family of lipid kinases capable of phosphorylating the 3'OH of the inositol ring of phosphoinositides. They are responsible for coordinating a diverse range of cell functions including proliferation and survival. PI 3-kinase p85/p55 is expressed in the nervous system, muscle, liver, heart and kidney. Mutations in the PIK3R1 gene may result in Agammaglobulinemia and SHORT syndrome. STJ90384 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody specifically binds to endogenous PI 3-kinase p85/p55 protein which only binds about Y467/199 when Y467/199 is phosphorylated.</p> |
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Product Details

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| Immunogen: | Synthesized peptide derived from human PI 3-kinase p85/p55 around the phosphorylation site of Y467/199. |
| Isotype: | IgG |
| Specificity: | Phospho-PI 3-kinase p85/p55 (Y467/199) Polyclonal Antibody detects endogenous levels of PI 3-kinase p85/p55 protein only when phosphorylated at Y467/199. |
| Characteristics: | Rabbit polyclonal to Phospho-PI 3-kinase p85/p55 (Y467/199). |
| Purification: | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

Target Details

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| Target: | PI3K p85/p55 |
| Alternative Name: | PI 3-kinase p85/p55 (PI3K p85/p55 Products) |
| Molecular Weight: | 54/83 kDa |
| Gene ID: | 5295 |
| UniProt: | P27986 |

Application Details

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| Application Notes: | WB 1:500-1:2000 IHC 1:100-1:300 IF 1:200-1:1000 ELISA 1:10000 |
| Comment: | Isoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidney and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level). |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide. |
| Preservative: | Sodium azide |

Handling

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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C, and avoid repeat freeze-thaw cycles. |