

BRK1 Conjugated Antibody

Catalog No: #C37618



Package Size: #C37618-AF350 100ul #C37618-AF405 100ul #C37618-AF488 100ul
 #C37618-AF555 100ul #C37618-AF594 100ul #C37618-AF647 100ul
 #C37618-AF680 100ul #C37618-AF750 100ul #C37618-Biotin 100ul

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Description

| | |
|-----------------------|--|
| Product Name | BRK1 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous levels of total BRK1 protein. |
| Immunogen Description | Synthetic peptide corresponding to residues near the C terminal of human BRICK1, SCAR/WAVE actin-nucleating complex subunit |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | MDS027; hHBrk1; C3orf10; HSPC300 |
| Accession No. | Swiss-Prot#:Q8WUW1NCBI Gene ID:55845NCBI mRNA#:NCBI Protein#:NP_001010926/Q5TA89 |
| Uniprot | Q8WUW1 |
| GeneID | 55845; |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Calculated MW | 9 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
 AF405 conjugated: most applications: 1: 50 - 1: 250
 AF488 conjugated: most applications: 1: 50 - 1: 250
 AF555 conjugated: most applications: 1: 50 - 1: 250
 AF594 conjugated: most applications: 1: 50 - 1: 250
 AF647 conjugated: most applications: 1: 50 - 1: 250
 AF680 conjugated: most applications: 1: 50 - 1: 250
 AF750 conjugated: most applications: 1: 50 - 1: 250

Background

HSPC300 (hematopoietic stem cell protein 300) is also known as probable protein BRICK1 or C3orf10 (chromosome 3 open reading frame 10) and is a 75 amino acid protein that is expressed as two isoforms and localizes to both the cytoplasm and the cytoskeleton. HSPC300 is thought to regulate cytoskeletal organization and Actin polymerization. Free HSPC300 exists as homotrimers prior to its incorporation into the WAVE complex. The WAVE complex includes five proteins, one of which is HSPC300, that regulate the ARC (Arp2/3 complex) which is responsible for Actin nucleation and is Rac 1-dependent. Because HSPC300 is a highly conserved subunit of the WAVE complex across many species, it is thought to have the same or similar functions in many different organisms.?

Note: This product is for in vitro research use only