Datasheet for ABIN5004582

anti-BRK1 antibody (AA 31-75) (Alexa Fluor 750)

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Overview

Quantity:	100 µL
Target:	BRK1
Binding Specificity:	AA 31-75
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BRK1 antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human hHBrk1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	BRK1
Alternative Name:	hHBrk1 (BRK1 Products)
Background:	Synonyms: Brk1-like, C3orf10 chromosome 3 open reading frame 10, C3ORF10 GENE,

Target Details

	Chromosome 3 open reading frame 10, hHBrk1, HSPC300, MDS027, Probable protein BRICK1, BRK1_HUMAN. 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. In Drosophila, the WAVE/ARC pathway may affect the development of the nervous system. HSPC300 is thought to localize to axons of the central nervous system of Drosophila embryos and thus may also be involved in axonogenesis. In addition, HSPC300 is thought to be necessary for synaptic morphogenesis by motoneurons. In mice, the knockout of the WAVE complex leads to learning and memory defects, and it is therefore hypothesized that HSPC300 may also be involved in cognitive functions. Genetic depletion of HSPC300 results in cytoskeletal abnormalities and prevents cytokinesis of cells, suggesting that decreased levels of HSPC300 may be associated with tumor suppression.
Gene ID:	55845
Pathways:	RTK Signaling

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months