

Rabbit anti-Human, Mouse BRK1 Polyclonal Antibody | anti-BRK1 antibody

BRK1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA177473	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry

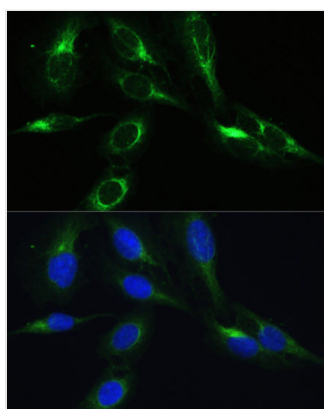
PRODUCT SYNONYMS

BRK1; Polyclonal Antibody; BRK1 Polyclonal Antibody; C3orf10; HSPC300; MDS027; hHBrk1; anti-BRK1 antibody

PRODUCT SPECIFICATIONS

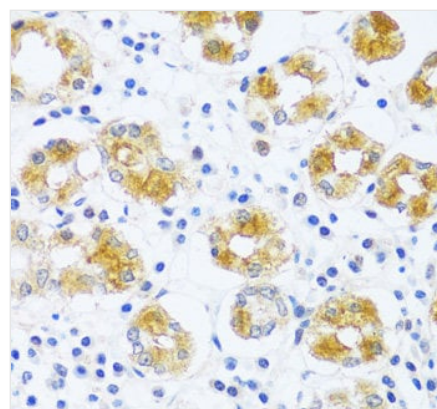
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-BRK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	Recombinant fusion protein of human BRK1 (NP_0609322)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



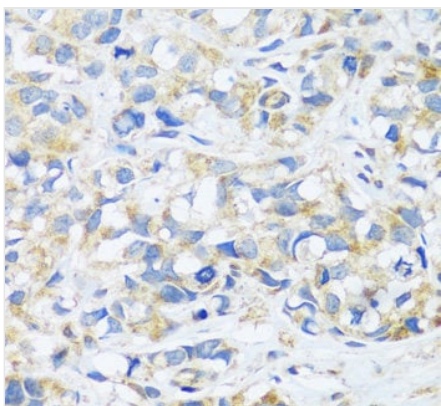
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using BRK1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human stomach using BRK1 Polyclonal Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human breast cancer using BRK1 Polyclonal Antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-BRK1 antibody	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.
Product Categories/Family for anti-BRK1 antibody	Signal Transduction; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	27544939
NCBI GeneID	55845
NCBI Accession #	NP_060932
NCBI GenBank Nucleotide #	NM_018462.4
UniProt Accession #	Q8WUW1; Q9P082; B2R5E2
Molecular Weight	11 kDa (98aa) confirmed by MALDI-TOF
NCBI Official Full Name	protein BRICK1
NCBI Official Synonym Full Names	BRICK1, SCAR/WAVE actin nucleating complex subunit
NCBI Official Symbol	BRK1
NCBI Official Synonym Symbols	MDS027; hHBrk1; C3orf10; HSPC300
NCBI Protein Information	protein BRICK1
UniProt Protein Name	Protein BRICK1
UniProt Gene Name	BRK1
UniProt Synonym Gene Names	C3orf10; BRK1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

