

Rabbit anti-Human, Mouse BCAS3 Polyclonal Antibody | anti-BCAS3 antibody

BCAS3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327877	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

BCAS3; Polyclonal Antibody; BCAS3 Antibody; 1500019F07Rik; 2610028P08Rik; AU021018; BC028339; BCAS3_HUMAN; Breast carcinoma-amplified sequence 3; FLJ20128; GAOB1; K20D4; MAAB; Maab1 protein; MGC4973; rudhira; anti-BCAS3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	BCAS3 antibody detects endogenous levels of total BCAS3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	928
Applicable Applications for anti-BCAS3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BCAS3
Subcellular Location	Nucleus.
Tissue Specificity	Expressed in stomach, liver, lung, kidney, prostate, testis, thyroid gland, adrenal gland, brain, heart, skeletal muscle, colon, spleen, small intestine, placenta, blood leukocyte and mammary epithelial cells. Expressed in undifferentiated ES cells. Expressed in blood islands and nascent blood vessels derived from differentiated ES cells into embryoid bodies (BD). Expressed in endothelial cells. Not detected in brain. Expressed in brain tumors (at protein level). Expressed in brain. Highly expressed in breast cancers and in glioma cell lines.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327877 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of BCAS3 using MCF7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-BCAS3 antibody

Function: Plays a role in angiogenesis. Participates in the regulation of cell polarity and directional endothelial cell migration by mediating both the activation and recruitment of CDC42 and the reorganization of the actin cytoskeleton at the cell leading edge. Promotes filipodia formation (By similarity). Functions synergistically with PELP1 as a transcriptional coactivator of estrogen receptor-responsive genes. Stimulates histone acetyltransferase activity. Binds to chromatin.
Subunit Structure: Interacts with histone H3, ESR1, KAT2B and PELP1; the interactions occur in a estrogen-dependent manner. Interacts with beta-tubulin and VIM.
Similarity: Has been proposed to contain 7 WD repeats. This prediction could not be reproduced. Belongs to the BCAS3 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153218631
NCBI GeneID	54828
NCBI Accession #	NP_001092902.1
NCBI GenBank Nucleotide #	NM_001099432.2
UniProt Accession #	Q9H6U6; Q17RM0; Q6KF21; Q8IXI6; Q8NDR8; Q8TDL9; Q8TDM1; Q8WY55; Q9BVF0; Q9H957; Q9H9Y9; Q9NXP4
Molecular Weight	Observed: 101 kDa Predicted: 102 kDa
NCBI Official Full Name	breast carcinoma-amplified sequence 3 isoform 1
NCBI Official Synonym Full Names	BCAS3, microtubule associated cell migration factor
NCBI Official Symbol	BCAS3
NCBI Official Synonym Symbols	MAAB; GAOB1
NCBI Protein Information	breast carcinoma-amplified sequence 3
UniProt Protein Name	Breast carcinoma-amplified sequence 3
UniProt Gene Name	BCAS3

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.