



BCAS3 Polyclonal Antibody

Catalog No	YP-Ab-00681
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	BCAS3
Immunogen	Synthesized peptide derived from BCAS3 . at AA range: 660-740
Specificity	BCAS3 Polyclonal Antibody detects endogenous levels of BCAS3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BCAS3;GAOB1;MAAB;Protein Maab1;Rudhira;Breast carcinoma-amplified sequence 3
Observed Band	100kD
Calculated Molecular Weight	100kD
Cell Pathway	Nucleus . Cytoplasm . Cytoplasm, cytoskeleton . Preautophagosomal structure . Localizes in the cytoplasm in stationary cells. Translocates from the cytoplasm to the leading edge in motile cells. Colocalizes with microtubules and intermediate filaments in both stationary and motile cells (By similarity). Associates with chromatin. Recruited to estrogen receptor-induced promoters in a PELP1-dependent manner. The BCAS3:PHAF1 complex is recruited to the preautophagosomal structures adjacent to the damaged mitochondria upon mitophagy in a PRKN-PINK1 dependent manner (PubMed:33499712). .
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.



Function

developmental stage:Fetal.,disease:A chromosomal aberration involving BCAS3 may be a cause of breast cancer. Translocation t(17;20)(q23;q13) with BCAS4., similarity:Belongs to the WD repeat BCAS3 family.,similarity:Contains 3 WD repeats.,tissue specificity:Stomach, liver, lung, kidney, prostate, testis, thyroid gland, adrenal gland, brain, heart, skeletal muscle, colon, spleen, small intestine, placenta, blood leucocyte and mammary epithelial cells. Overexpressed in most breast cancer cell lines.,

Background

developmental stage:Fetal.,disease:A chromosomal aberration involving BCAS3 may be a cause of breast cancer. Translocation t(17;20)(q23;q13) with BCAS4., similarity:Belongs to the WD repeat BCAS3 family.,similarity:Contains 3 WD repeats.,tissue specificity:Stomach, liver, lung, kidney, prostate, testis, thyroid gland, adrenal gland, brain, heart, skeletal muscle, colon, spleen, small intestine, placenta, blood leucocyte and mammary epithelial cells. Overexpressed in most breast cancer cell lines.,

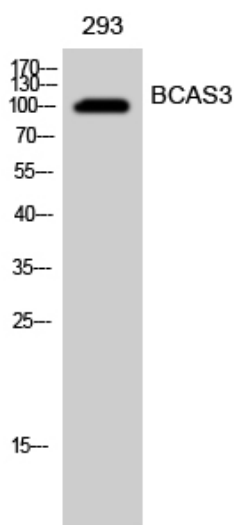
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of 293 cells using BCAS3 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).