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BCAS1 Antibody

Catalog # ASC11075

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	O75363
Other Accession	EAW75575, 119595981
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	61709
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	BCAS1 antibody can be used for detection of BCAS1 by Western blot at 1 g/mL. Antibody can also be used for immunohistochemistry starting at 5 g/mL. For immunofluorescence start at 20 g/mL.

Additional Information

Gene ID	8537
Other Names	Breast carcinoma-amplified sequence 1, Amplified and overexpressed in breast cancer, Novel amplified in breast cancer 1, BCAS1, AIBC1, NABC1
Target/Specificity	BCAS1;
Reconstitution & Storage	BCAS1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	BCAS1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BCAS1
Synonyms	AIBC1, NABC1
Function	Required for myelination.
Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in the brain and, more specifically, in oligodendrocytes (at protein level). Expressed in the prostate, and at lower levels in testis, intestine and colon Overexpressed in most breast cancer cell lines and down-regulated

in some colorectal tumors.

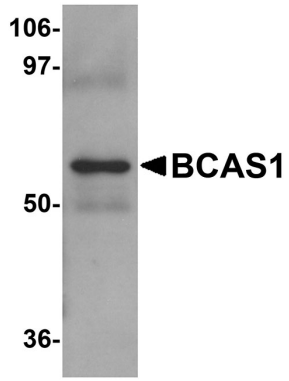
Background

BCAS1 Antibody: BCAS1 was identified through positional cloning and was found to be overexpressed in most but not all breast cancer cells lines. Little is known about this protein; BCAS1 is cytoplasmically localized and is thought to form homodimers through coiled-coil structures. High levels of BCAS1 mRNA are seen in brain and prostate tissues, with lower amounts observed in colon, intestine and testis. Cells engineered to overexpress BCAS1 did not lose anchorage-dependent growth or increase their rate of growth, suggesting that BCAS1 is not a prototypical oncogene. The BCAS1 gene was also found to be amplified in other carcinomas such as pancreatic carcinoma, suggesting that BCAS1 may play in important role in the control of cell proliferation.

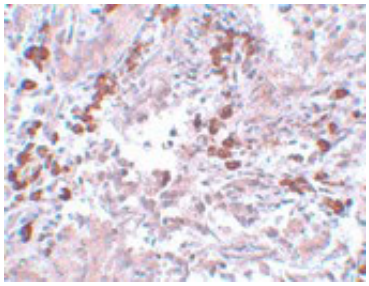
References

Collins C, Rommens JM, Kowbel D, et al. Positional cloning of ZNF217 and NABC1: genes amplified at 20q13.2 and overexpressed in breast carcinoma. Proc. Natl. Acad. Sci. USA1998; 95:8703-8.
Beardsley DI, Kowbel D, Lataxes TA, et al. Characterization of the novel amplified in breast cancer-1 (NABC1) gene product. Exp. Cell Res.2003; 290:402-13.
Loukopoulos P, Shibata T, Katoh H, et al. Genome-wide assay-based comparative genomic hybridization analysis of pancreatic adenocarcinoma: identification of genetic indicators that predict patient outcome. Cancer Sci.2007; 98:392-400.

Images

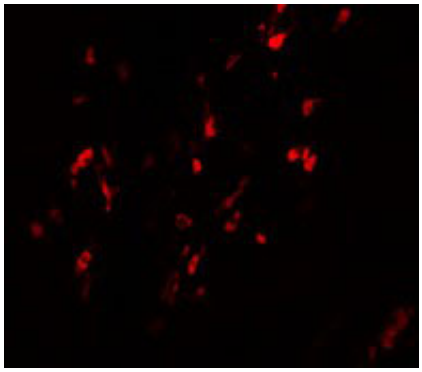


Western blot analysis of BCAS1 in human lung tissue lysate with BCAS1 antibody at 1 µg/mL.



Immunohistochemistry of BCAS1 in human breast carcinoma with BCAS1 antibody at 5 µg/mL.

Immunofluorescence of BCAS1 in Human Breast Carcinoma cells with BCAS1 antibody at 20 µg/mL.



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