10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BCAS4 Antibody

Catalog # ASC11078

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q8TDM0
Other Accession	CAI23006, 56203146
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	22758
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	BCAS4 antibody can be used for detection of BCAS4 by Western blot at 1 - 2 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	55653
Other Names	Breast carcinoma-amplified sequence 4, BCAS4
Target/Specificity	BCAS4;
Reconstitution & Storage	BCAS4 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	BCAS4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BCAS4
Cellular Location	Cytoplasm.
Tissue Location	Brain, thymus, spleen, kidney and placenta. Overexpressed in most breast cancer cell lines

Background

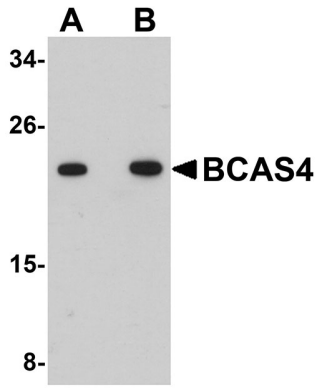
BCAS4 Antibody: The Breast carcinoma amplified sequence (BCAS4) gene is localized to 20q13, a region that

is often amplified in breast cancers. It was isolated by the cloning of a highly overexpressed 1.3 kb transcript from the fusion of the last two exons of the BCAS3 and BCAS4 genes. This BCAS3-BCAS4 fusion transcript is only found in the MCF7 cell line, but the BCAS4 gene is also overexpressed in nine of thirteen breast cancer cell lines. The role of BCAS4 is unknown but its mRNA is highly expressed in thymus, spleen, kidney, brain, and placenta, suggesting BCAS4 plays other roles in multiple tissues.

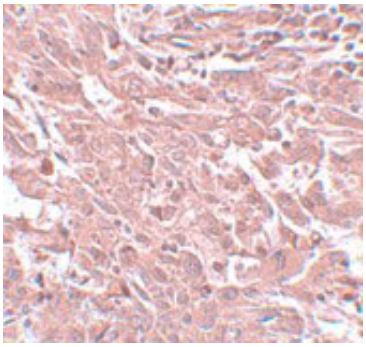
References

Barlund M, Monni O, Weaver JD, et al. Cloning of BCAS3 (17q23) and BCAS4 (20q13) genes that undergo amplification, overexpression, and fusion in breast cancer. Genes Chromosomes Cancer2002; 35:311-7.

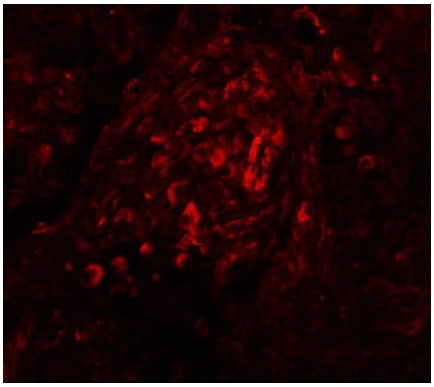
Images



Western blot analysis of BCAS4 in 3T3 cell lysate with BCAS4 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of BCAS4 in human breast carcinoma with BCAS4 antibody at 5 µg/mL.



Immunofluorescence of BCAS4 in human breast carcinoma tissue with BCAS4 antibody at 20 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.