



Mouse anti-Human BCAR3 monoclonal antibody, clone 4H5 (CABT-B9838)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Immunogen | BCAR3 (AAH39895, 266 a.a. ~ 373 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Isotype | IgG2a |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | 4H5 |
| Conjugate | Unconjugated |
| Applications | WB, sELISA, ELISA |
| Sequence Similarities | YGTSPGQAREGSLTKGRPDVAKRLSLTMGGVQAREQNLPRGNLLRNKEKSGSQPACLDHMQDRRALSLKAHQSESYLPIGCKLPPQSSGVDTSPCPNSPVPRTGSEPA |
| Format | Liquid |
| Size | 100 µg |
| Buffer | In 1x PBS, pH 7.2 |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

BACKGROUND

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| Introduction | Breast tumors are initially dependent on estrogens for growth and progression and can be inhibited by anti-estrogens such as tamoxifen. However, breast cancers progress to become |
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anti-estrogen resistant. Breast cancer anti-estrogen resistance gene 3 was identified in the search for genes involved in the development of estrogen resistance. The gene encodes a component of intracellular signal transduction that causes estrogen-independent proliferation in human breast cancer cells. The protein contains a putative src homology 2 (SH2) domain, a hallmark of cellular tyrosine kinase signaling molecules, and is partly homologous to the cell division cycle protein CDC48. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]

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| Keywords | BCAR3; breast cancer anti-estrogen resistance 3; NSP2; SH2D3B; breast cancer anti-estrogen resistance protein 3; novel SH2-containing protein 2; SH2 domain-containing protein 3B; breast cancer antiestrogen resistance 3 protein; dJ1033H22.2 (breast cancer anti-estrogen resistance 3); |
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GENE INFORMATION

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| Entrez Gene ID | 8412 |
| UniProt ID | O75815 |
| Pathway | Regulation of CDC42 activity, organism-specific biosystem |
| Function | guanyl-nucleotide exchange factor activity; protein binding |
