



# 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

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

## BACKGROUND

<b>Introduction</b>	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 hall mark 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]

<b>Keywords</b>	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

<b>Entrez Gene ID</b>	<a href="#">8412</a>
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<b>UniProt ID</b>	<a href="#">O75815</a>
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<b>Pathway</b>	Regulation of CDC42 activity, organism-specific biosystem
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<b>Function</b>	guanyl-nucleotide exchange factor activity; protein binding
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