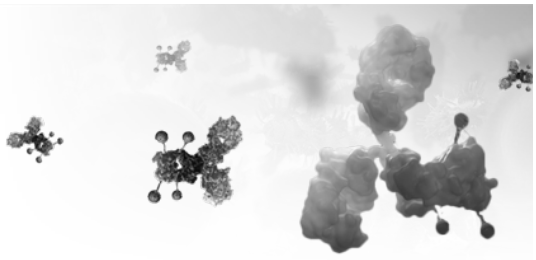

Anti-BCAR3 (aa 266-373) polyclonal antibody (DPAB-DC3463)

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

PRODUCT INFORMATION

Antigen Description	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 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.
Immunogen	BCAR3 (AAH39895, 266 a.a. ~ 373 a.a) partial recombinant protein with GST tag. The sequence is YGTSPGQAREGSLTKGRPDVAKRLSLTMGGVQAREQNLPRGNLLRNKEKSGSQPACLDHM QDRRALSLKAHQSESYLPIGCKLPPQSSGVDTSPCPNSPVFRTGSEPA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Transfected lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	BCAR3 breast cancer anti-estrogen resistance 3 [Homo sapiens (human)]
Official Symbol	BCAR3
Synonyms	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);
Entrez Gene ID	8412
Protein Refseq	NP_001248337
UniProt ID	O75815
Chromosome Location	1p22.1
Pathway	Regulation of CDC42 activity.
Function	guanyl-nucleotide exchange factor activity; protein binding;

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