

Rabbit anti-Human, Rat BCAR3 Polyclonal Antibody | anti-BCAR3 antibody

BCAR3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321099	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

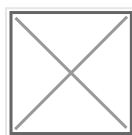
PRODUCT SYNONYMS

BCAR3; Polyclonal Antibody; BCAR3 Antibody; BCAR 3; BCAR3_HUMAN; Breast cancer anti estrogen resistance 3; Breast cancer anti estrogen resistance protein 3; Breast cancer anti-estrogen resistance protein 3; Breast cancer antiestrogen resistance 3; dJ1033H22.2; dJ1033H22.2 breast cancer anti estrogen resistance 3; dJ1033H22.2 breast cancer antiestrogen resistance 3; KIAA0554; Novel SH2 containing protein 2; Novel SH2-containing protein 2; NSP 2; NSP2; SH2 containing protein Nsp2; SH2 domain containing protein 3B; SH2 domain-containing protein 3B; SH2D3B; anti-BCAR3 antibody

PRODUCT SPECIFICATIONS

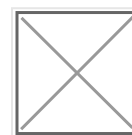
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BCAR3 antibody detects endogenous levels of BCAR3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	825
Applicable Applications for anti-BCAR3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BCAR3
Tissue Specificity	Ubiquitously expressed. Found in several cancer cell lines, but not in nonmalignant breast tissue.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (90%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HepG2, rat heart, using BCAR3 Antibody.



IF (Immunofluorescence)

AAA321099 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on HeLa cell lysate using BCAR3 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA321099 at 1/100 staining human Breast cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-BCAR3 antibody

Description: A ubiquitously expressed regulator of R-Ras activity that has been implicated in breast cancer. A GDP exchange factor whose overexpression confers antiestrogen resistance, activates Rac, PAK1, and the cyclin D1. Can accelerate the degradation of IRS-1, thus regulating signaling through the insulin receptor. When overexpressed, it confers anti-estrogen resistance in breast cancer cell lines. May also be regulated by cellular adhesion to extracellular matrix proteins. Up-regulated by interleukin-1-alpha and TNF-beta in thymus cortical reticular cell lines (mouse). Two alternatively spliced human isoforms have been described.

Function: May act as an adapter protein and couple activated growth factor receptors to a signaling pathway that regulates the proliferation in breast cancer cells. When overexpressed, it confers anti-estrogen resistance in breast cancer cell lines. May also be regulated by cellular adhesion to extracellular matrix proteins.

Subunit Structure: Interacts with BCAR1, NEDD9, PTK2/FAK1 and PTPN1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	387157906
NCBI GeneID	8412
NCBI Accession #	NP_001248337.1
NCBI GenBank Nucleotide #	NM_001261408.1
UniProt Accession #	O75815 ; Q5TEW3 ; Q6UW40 ; Q9BR50 ; D3DT43
Molecular Weight	Observed: 92 kDa Predicted: 93 kDa
NCBI Official Full Name	breast cancer anti-estrogen resistance protein 3 isoform 1
NCBI Official Synonym Full Names	BCAR3, NSP family adaptor protein
NCBI Official Symbol	BCAR3
NCBI Official Synonym Symbols	NSP2; AND-34; SH2D3B
NCBI Protein Information	breast cancer anti-estrogen resistance protein 3
UniProt Protein Name	Breast cancer anti-estrogen resistance protein 3
UniProt Gene Name	BCAR3
UniProt Synonym Gene Names	NSP2; SH2D3B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bcar3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321099>