

## Product datasheet for **TA354456**

### BCAR3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	Dot, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide surrounding of -DRTPE- of human BCAR3 protein with a single phosphorylation site. This sequence is identical to human, rat, mouse, canis and bovine.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	93 kDa
Gene Name:	breast cancer anti-estrogen resistance 3
Database Link:	<a href="#">NP_001248337</a> <a href="#">Entrez Gene 29815 Mouse</a> <a href="#">Entrez Gene 310838 Rat</a> <a href="#">Entrez Gene 8412 Human</a> <a href="#">O75815</a>
Background:	Breast cancer anti-estrogen resistance 3 (BCAR3) is also known as AND-34/BCAR3/NSP2 (BCAR3). 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. BCAR3 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

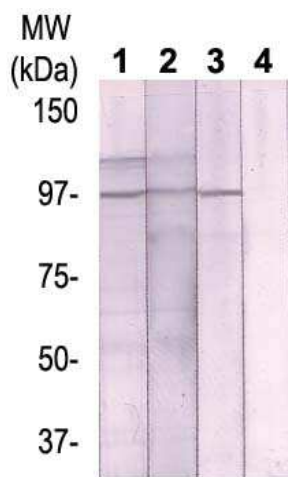


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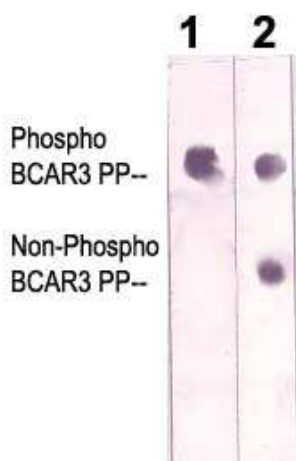
**Synonyms:** NSP2; SH2D3B

**Protein Families:** Druggable Genome

**Product images:**



WB: The cell lysate derived from FBS-replenished HeLa was immunoblotted by the following antibodies at 1:500: Lane 1:Rabbit anti-BCAR3 (pT130) Lane 2:Rabbit anti-BCAR3 (Paired T130) Lane 3:Rabbit anti-BCAR3 Lane 4: Negative control (Rabbit IgG). An immunoreactive band is observed at ~93 kDa.



DB: The Phosphorylated peptide BCAR3 at Thr130 and non phosphorylated peptide were blotted onto NC membrane at 1 ug/dot, and immunoblotted by the following antibodies: Lane 1:Rabbit anti-BCAR3 (pT130) Lane 2:Rabbit anti-BCAR3 (Paired T130)