



## Rabbit anti BCAR3 (phospho) Polyclonal Antibody

Alternative Name(s): breast cancer anti-estrogen resistance 3

### Order Information

- **Description:** BCAR3 (pT130)
- **Catalogue:** 600-080
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Rt, Ms

### **ANTIGEN PREPARATION**

A synthetic peptide surrounding of RHIMDR-T\*-PEKLK of human BCAR3 protein with a single phosphorylation site at Thr 130. This sequence is identical to human, rat, mouse, canis and bovine.

### **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

### **PURIFICATION**

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes phosphorylated Threonin 130 of human BCAR3 protein. It does not recognize the nonphosphorylated BCAR3.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

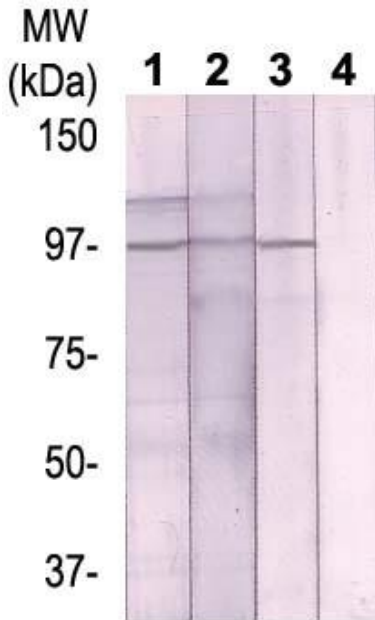
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 93.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

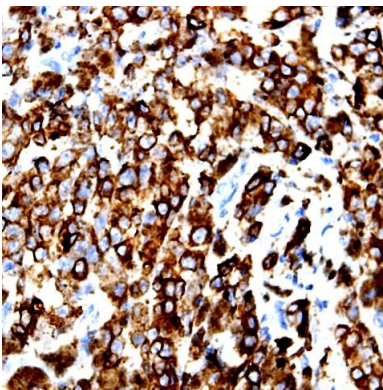
### **FOR RESEARCH USE ONLY.**

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**DATA ATTACHMENTS**



Western Blot: The cell lysate derived from FBS-replenished HeLa was immunoblotted by the following antibodies at 1:500: Lane 1:Rabbit anti BCAR3 (pT130) (Cat#600-080) Lane 2:Rabbit anti BCAR3 (Paired T130) (Cat#600-090) Lane 3:Rabbit anti BCAR3 (Cat#600-100) Lane 4: Negative control (Rabbit IgG). An immunoreactive band is observed at ~93 kDa



Immunohistochemistry: Human lymph node (FFPE) stained with Rabbit anti-BCAR3(pT130) (Cat# 600-080) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

**REFERENCES**

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