BCAR3 Antibody (R31835)

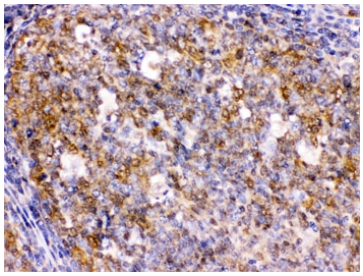
Catalog No.	Formulation	Size
R31835	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

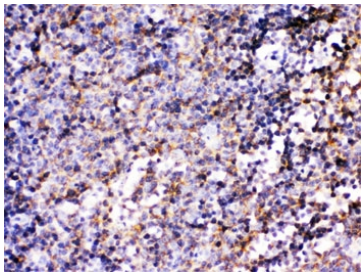
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	O75815
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This BCAR3 antibody is available for research use only.



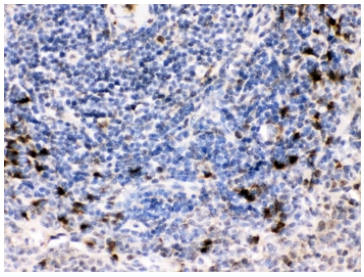
Western blot testing of human HepG2 cell lysate with BCAR3 antibody. Expected/observed molecular weight ~93 kDa.



IHC testing of FFPE human tonsil with BCAR3 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE mouse lymph node with BCAR3 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat spleen with BCAR3 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

Breast cancer anti-estrogen resistance protein 3 is a protein that in humans is encoded by the BCAR3 gene. 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. Multiple transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the BCAR3 antibody should be determined by the researcher.

Immunogen

Amino acids KGAQVNQTERYEKFNQILTALSRKLEPPPVKQAEL of human BCAR3 were used as the immunogen for the BCAR3 antibody.

Storage

After reconstitution, the BCAR3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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