ARG45145
anti-BCAR3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BCAR3
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	BCAR3
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminal region of human BCAR3.
Conjugation	Un-conjugated
Alternate Names	Breast cancer anti-estrogen resistance protein 3; Novel SH2-containing protein 2; SH2 domain-containing protein 3B; BCAR3; NSP2; SH2D3B; UNQ271/PRO308; AND-34; MIG7; BCAR3, NSP Family Adaptor Protein; Migration Inducting Gene-7; DJ1033H22.2 (Breast Cancer Anti-Estrogen Resistance 3); Breast Cancer Antiestrogen Resistance 3 Protein; Epididymis Secretory Sperm Binding Protein

Application Instructions

Application table

Application	Dilution
IHC-P	0.5-1 µg/ml
WB	0.1-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 93 kDa

Properties

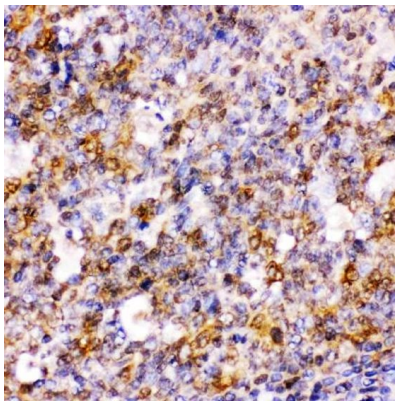
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

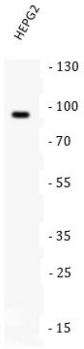
Gene Symbol	BCAR3
Gene Full Name	Breast cancer anti-estrogen resistance protein 3
Background	Breast tumors are initially dependent on estrogens for growth and progression and can be inhibited by anti-estrogens such as tamoxifen. However, breast cancers progress to become anti-estrogen resistant. Breast 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. [provided by RefSeq, May 2012]
Function	Acts as an adapter protein downstream of several growth factor receptors to promote cell proliferation, migration, and redistribution of actin fibers. [UniProt]
Calculated Mw	93 kDa
PTM	Acetylation; Methylation; Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm; Cell junction, focal adhesion; Secreted. [UniProt]

Images



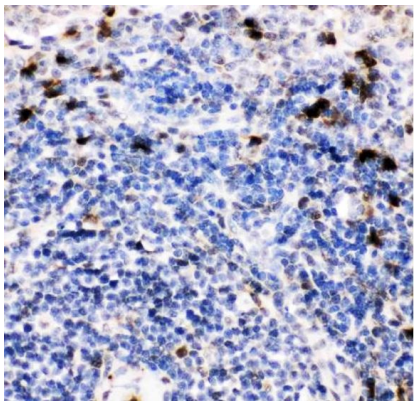
ARG45145 anti-BCAR3 antibody IHC-P image

Immunohistochemistry: Human tonsil stained with ARG45145 anti-BCAR3 antibody at 1 µg/ml dilution.



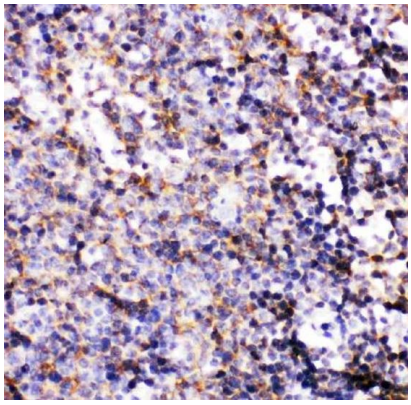
ARG45145 anti-BCAR3 antibody WB image

Western blot: HEPG2 stained with ARG45145 anti-BCAR3 antibody at 0.5 µg/ml dilution.



ARG45145 anti-BCAR3 antibody IHC-P image

Immunohistochemistry: Rat spleen stained with ARG45145 anti-BCAR3 antibody at 1 µg/ml dilution.



ARG45145 anti-BCAR3 antibody IHC-P image

Immunohistochemistry: Mouse lymphaden stained with ARG45145 anti-BCAR3 antibody at 1 µg/ml dilution.