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BFAR Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16718a

Specification

BFAR Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NZS9
Other Accession	NP_057645.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**52738**
Antigen Region	**1-30**

BFAR Antibody (N-term) - Additional Information

Gene ID 51283

Other Names
Bifunctional apoptosis regulator, RING finger protein 47, BFAR, BAR, RNF47

Target/Specificity
This BFAR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human BFAR.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
BFAR Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BFAR Antibody (N-term) - Protein Information

Name BFAR

Synonyms BAR, RNF47

Function Membrane-bound E3 ubiquitin ligase that plays a role in several processes including apoptosis regulation or reticulum endoplasmic stress (PubMed:14502241, PubMed:21068390). Has anti- apoptotic activity, both for apoptosis triggered via death-receptors and via mitochondrial factors (PubMed:14502241). Contributes to the dynamic control of IRE1/ERN1 signaling during ER stress by inducing BAX inhibitor 1/TMBIM6 proteasomal degradation (PubMed:21068390). Promotes the activation of TGF-beta signaling by mediating the 'Lys-63'-linked ubiquitination of TGFBR1 which is critical to activate the pathway (PubMed:33914044). Together with NGFR, negatively regulates NF-kappa-B and JNK-related signaling pathways (PubMed:22566094). Promotes the proteasome-mediated degradation of PNPLA3, a protein involveld in lipid metabolism (PubMed:38294943).

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

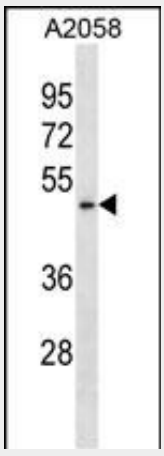
Tissue Location
Expressed highly in brain, moderately in small intestine, weakly in testes and only faintly in liver and skeletal muscle. Not expressed in heart, kidney, lung and spleen

BFAR Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BFAR Antibody (N-term) - Images



BFAR Antibody (N-term) (Cat. #AP16718a) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the BFAR antibody detected the BFAR protein (arrow).

BFAR Antibody (N-term) - Background

BFAR is a apoptosis regulator. Has anti-apoptotic activity, both for apoptosis triggered via death-receptors and via mitochondrial factors.

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BFAR Antibody (N-term) - References

Liu, X., et al. Retina (Philadelphia, Pa.) (2010) In press :
Chua, C.C., et al. Cardiovasc. Res. 81(1):20-27(2009)
Roth, W., et al. Cell Death Differ. 10(10):1178-1187(2003)
Zhang, H., et al. Proc. Natl. Acad. Sci. U.S.A. 97(6):2597-2602(2000)