

BFAR Antibody
Catalog # ASC11060**Specification**

BFAR Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	Q9NZS9
Other Accession	NP_057645 , 7706091
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	BFAR antibody can be used for detection of BFAR by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

BFAR Antibody - Additional Information

Gene ID	51283
Target/Specificity	
BFAR;	

Reconstitution & Storage

BFAR antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

BFAR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

BFAR Antibody - Protein Information

Name BFAR

Synonyms BAR, RNF47

Function

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

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

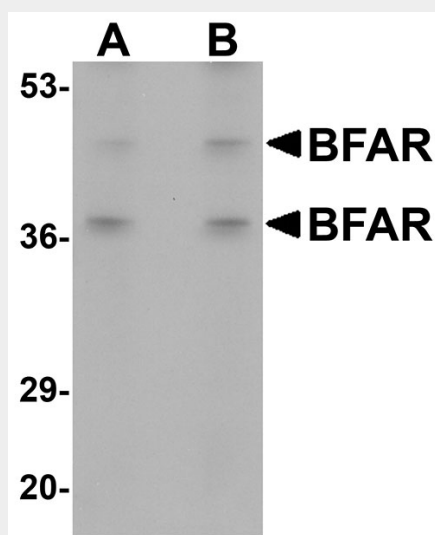
Expressed highly in brain, moderately in small intestine, weakly in testes and only faintly in liver and skeletal muscle. Not expressed in heart, kidney, lung and spleen

BFAR Antibody - Protocols

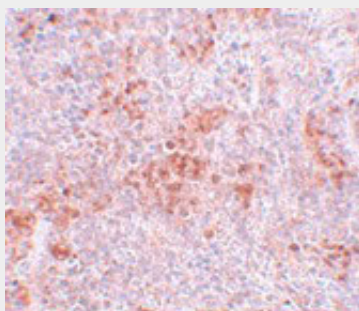
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

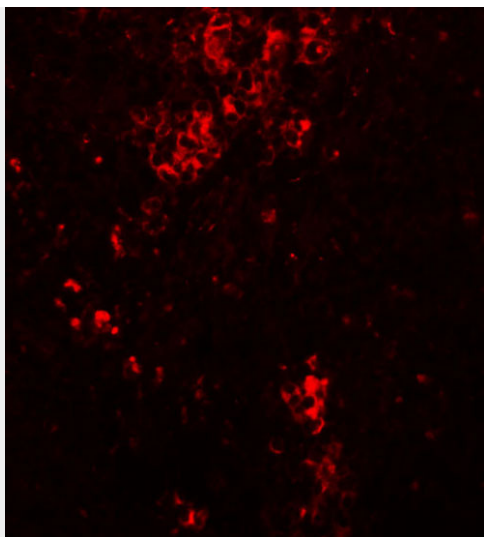
BFAR Antibody - Images



Western blot analysis of BFAR in human kidney tissue lysate with BFAR antibody at (A) 1 and (B) 2 $\mu\text{g/mL}$.



Immunohistochemistry of BFAR in mouse kidney tissue with BFAR antibody at 5 $\mu\text{g/mL}$.



Immunofluorescence of BFAR in mouse kidney tissue with BFAR antibody at 20 µg/mL.

BFAR Antibody - Background

BFAR Antibody: The bifunctional apoptosis inhibitor (BFAR) is scaffold protein that integrates signaling components of the cells apoptosis-regulatory machinery. BFAR is a multidomain protein capable of inhibiting apoptosis induced by TNF-family death receptors ('extrinsic pathway') as well as mitochondria-dependent apoptosis ('intrinsic pathway'). Interaction of BFAR with Bcl-2 or Bcl-XL via a SAM domain may contribute to the anti-apoptotic properties of BFAR. In addition, BFAR contains a DED-like domain that is capable of suppressing apoptosis mediated at the receptor level. BFAR is also thought to be involved in the regulation of neuronal survival.

BFAR Antibody - References

Zhang H, Xu Q, Krajewski S, et al. BAR: an apoptosis regulator at the intersection of caspases and Bcl-2 family proteins. *Proc. Natl. Acad. Sci. USA* 2000; 97:2597-602.
Roth W, Kermer P, Krajewska M, et al. Bifunctional apoptosis inhibitor (BAR) protects neurons from diverse cell death pathways. *Cell Death Differ.* 2003; 10: 1178-87.