

DATASHEET

BAR Rabbit Polyclonal Antibody

CAT. NO. APA13256

KEY FEATURES

Target	BAR	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

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

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to BAR
Specificity	Recognizes endogenous levels of BAR protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human BAR
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 38; Observed: 53 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	BAR; RNF47; Bifunctional apoptosis regulator; RING finger protein 47
Gene Symbol	BFAR
Entrez Gene	51283(Human); 67118(Mouse); 304709(Rat)
SwissProt	Q9NZS9(Human); Q8R079(Mouse); Q5PQN2(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

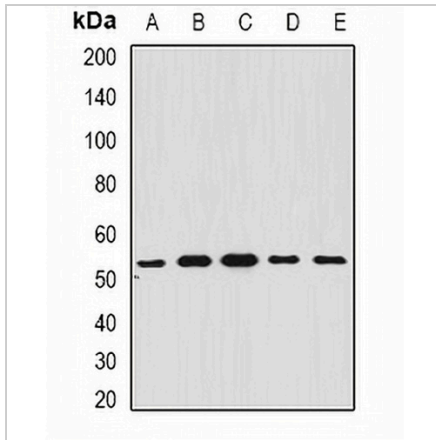
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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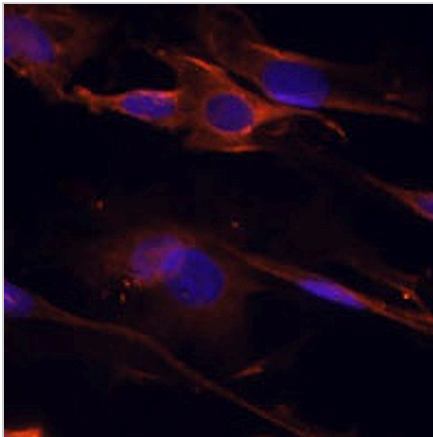
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Western blot analysis of BAR expression in A549 (A), SHSY5Y (B), mouse brain (C), mouse liver (D), rat heart (E) whole cell lysates. (Predicted band size: 38; 52 kD; Observed band size: 53 kD)



Immunofluorescent analysis of BAR staining in C6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.