ARG41827
anti-BNIP1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BNIP1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BNIP1
Species	Human
Immunogen	Synthetic peptide of Human BNIP1.
Conjugation	Un-conjugated
Alternate Names	Transformation-related gene 8 protein; BCL2/adenovirus E1B 19 kDa protein-interacting protein 1; TRG-8; Vesicle transport protein SEC20; SEC20; NIP1

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Jurkat
Observed Size	~ 26 kDa

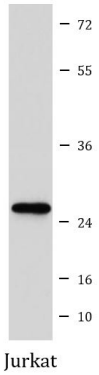
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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	BNIP1
Gene Full Name	BCL2/adenovirus E1B 19kDa interacting protein 1
Background	This gene is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family. It interacts with the E1B 19 kDa protein, which protects cells from virally-induced cell death. The encoded protein also interacts with E1B 19 kDa-like sequences of BCL2, another apoptotic protector. In addition, this protein is involved in vesicle transport into the endoplasmic reticulum. Alternative splicing of this gene results in four protein products with identical N- and C-termini. [provided by RefSeq, Mar 2011]
Function	SNARE that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER. Required for maintenance of ER network. Implicated in the suppression of cell death. May be involved in mitochondrial autophagy. [UniProt]
Calculated Mw	26 kDa
PTM	'Lys-63'-linked polyubiquitination by RNF185 allows recruiting of autophagy receptor SQSTM1, which simultaneously binds both ubiquitin and LC3 to link ubiquitination and autophagy. [UniProt]
Cellular Localization	Mitochondrion. Endoplasmic reticulum membrane; Single-pass type IV membrane protein. [UniProt]

Images



ARG41827 anti-BNIP1 antibody WB image

Western blot: Jurkat cell lysate stained with ARG41827 anti-BNIP1 antibody.