

Datasheet for ABIN6241195
anti-BNIP3 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	BNIP3
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BNIP3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthesized peptide
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Target Details

Target:	BNIP3
Alternative Name:	BNIP3 (BNIP3 Products)
Background:	Apoptosis-inducing protein that can overcome BCL2 suppression. May play a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2. Involved in mitochondrial quality control via its interaction with SPATA18/MIEAP: in response to mitochondrial damage, participates to mitochondrial protein catabolic process (also named MALM) leading to the degradation of damaged proteins inside mitochondria. The physical interaction of SPATA18/MIEAP, BNIP3 and BNIP3L/NIX at the mitochondrial outer membrane regulates the opening of a pore in the mitochondrial double membrane in order to mediate the translocation of lysosomal proteins from the cytoplasm to the mitochondrial

Target Details

matrix. Plays an important role in the calprotectin (S100A8/A9)-induced cell death pathway.

UniProt: [Q12983](#)

Pathways: [Autophagy](#), [Brown Fat Cell Differentiation](#)

Application Details

Application Notes: WB: 1:1000

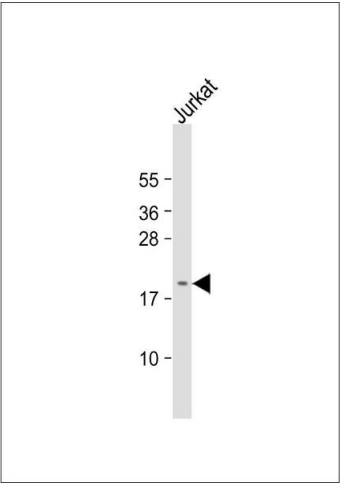
Restrictions: For Research Use only

Handling

Format: Liquid

Storage: 4 °C,-20 °C

Images



Western Blotting

Image 1. Anti-BNIP3 Antibody at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.