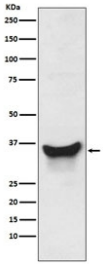
Nix Antibody / BNIP3L [clone ABIB-2] (RQ4749)

Catalog No.	Formulation	Size
RQ4749	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	ABIB-2
Purity	Affinity purified
UniProt	O60238
Applications	Western blot: 1:500-1:2000
Limitations	This Nix antibody is available for research use only.



Western blot testing of human K562 cell lysate with Nix antibody. Expected molecular weight: ~38 kDa (monomer), ~76 kDa (homodimer).

Description

'BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like' (BNIP3L), also called NIP3-like protein X (Nix) induces apoptosis. Interacts with viral and cellular anti-apoptosis proteins. Can overcome the suppressors BCL-2 and BCL-XL, although high levels of BCL-XL expression will inhibit apoptosis. Inhibits apoptosis induced by BNIP3. Involved in mitochondrial quality control via its interaction with SPATA18/MIEAP: in response to mitochondrial damage, participates in 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 matrix. May function as a tumor suppressor. [UniProt]

Application Notes

Optimal dilution of the Nix antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Nix / BNIP3L was used as the immunogen for the Nix antibody.

Storage

Store the Nix antibody at -20oC.

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