Human/Mouse/Rat BNIP3L Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF4030G
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat BNIP3L in Western blots. In Western blots, less than 10% cross-reactivity to recombinant human BNIP3L is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human BNIP3L Ser2-Glu184 Accession # O60238
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Bcl-2/adenovirus E1B 19 kDa protein-interacting protein 3-like (BNIP3L) also known as BNIP3 alpha and NIP3-like protein X (Nix), is a proapoptotic member of BNIP3 protein family. BNIP3L is a functional homolog of BNIP3 and both proteins contain a single Bcl-2 homology 3 (BH3) domain. BNIP3L is a 219 amino acid (aa), 24 kDa (predicted) protein that contains a C-terminal transmembrane domain required for mitochondrial localization, homodimerisation, and regulation of its proapoptotic function. BNIP3L may antagonize the activity of BCL2 family antiapoptic proteins by directly interactacting with proteins such as viral E1B-19K and cellular Bcl-2 and Bcl-xL. BNIP3L shares 56% amino acid sequence identity with BNIP3 and 98% with mouse and rat BNIP3L.

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