


### HRP Anti-BNIP3 antibody [ANa40] ab196707

[1 Image](#)

#### Overview

<b>Product name</b>	HRP Anti-BNIP3 antibody [ANa40]
<b>Description</b>	HRP Mouse monoclonal [ANa40] to BNIP3
<b>Host species</b>	Mouse
<b>Conjugation</b>	HRP
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Recombinant fragment corresponding to Human BNIP3 aa 1 to the C-terminus.
<b>Epitope</b>	The epitope recognized by the antibody resides within amino acids 112-124 of human BNIP3 molecule.
<b>Positive control</b>	WB: Human skeletal muscle tissue lysate.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
<b>Purity</b>	Affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	ANa40

<b>Myeloma</b>	unknown
<b>Isotype</b>	IgG2b
<b>Light chain type</b>	kappa

## Applications

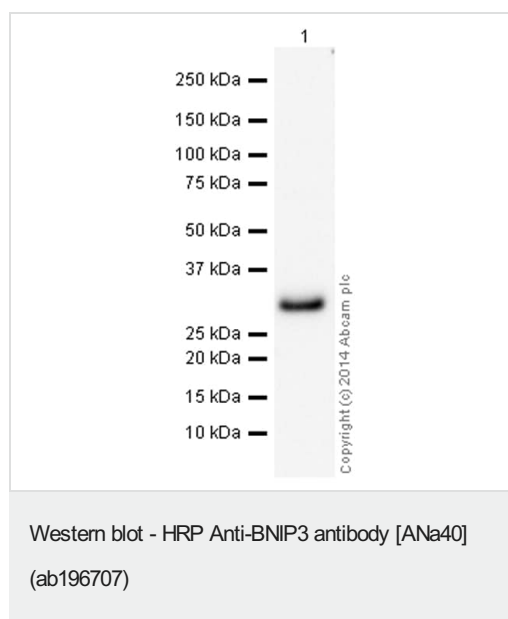
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab196707 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		1/5000. Detects a band of approximately 30 kDa (predicted molecular weight: 21.5 kDa).

## Target

<b>Function</b>	Apoptosis-inducing protein that, which can overcome BCL2 suppression. May play a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2.
<b>Sequence similarities</b>	Belongs to the NIP3 family.
<b>Cellular localization</b>	Mitochondrion. Mitochondrion membrane. Coexpression with the E1B 19-kDa protein results in a shift in NIP3 localization pattern to the nuclear envelope. Colocalizes with ACAA2 in the mitochondria.

## Images



HRP Anti-BNIP3 antibody [ANa40] (ab196707) at 1/5000 dilution + Skeletal Muscle (Human) Tissue Lysate - adult normal tissue at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 21.5 kDa

**Observed band size:** 30 kDa

**Exposure time:** 2 seconds

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being

transferred onto a Nitrocellulose membrane at 30V for 70 minutes.  
The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab196707 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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