

Datasheet for ABIN5027485  
**anti-Bax Inhibitor 1 antibody (AA 1-200)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	Bax Inhibitor 1 (TMBIM6)
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Bax Inhibitor 1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	A partial length recombinant protein of human Bi-1 (amino acids 1-200) was used as an immunogen for this antibody.
Clone:	ABM20E4
Isotype:	IgG2b kappa
Purification:	Protein G Chromatography

## Target Details

Target:	Bax Inhibitor 1 (TMBIM6)
Alternative Name:	Bi-1 ( <a href="#">TMBIM6 Products</a> )
Background:	Bi-1 is an anti-apoptotic protein that inhibits Bax activation and its translocation to the

## Target Details

mitochondria. Functionally, BI-1 affects the leakage of Ca<sup>2+</sup> ions from the ER. In addition to its anti-apoptotic role, BI-1 also enhances cancer/tumor progression. It belongs to the Bcl-2 family, plays an important role in the mitochondrial apoptosis pathway. BI-1 over-expression suppresses apoptosis induced by Bax, staurosporine and growth factor deprivation. BI-1 is presumably not needed for the physiological regulation of developmental programmed cell death. The anti-apoptotic mechanism of BI-1 involves the suppression of Bax activation and translocation to mitochondria, preserving the mitochondria membrane potential and mitochondrial morphology, and preventing the activation of post-mitochondrial caspases. BI-1 function is also associated with the regulation of intracellular Ca<sup>2+</sup> omeostasis. In several human cancers, including nasopharyngeal carcinoma, its expression was found to be increased, however, up-regulated expression of this protein has been linked to increased cell proliferations.

Molecular Weight:	30 kDa
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Gene ID:	7009
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UniProt:	<a href="#">P55061</a>
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Pathways:	<a href="#">Response to Water Deprivation</a> , <a href="#">ER-Nucleus Signaling</a>
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## Application Details

Application Notes:	WB: 4-6 µg/mL
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Restrictions:	For Research Use only
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## Handling

Concentration:	0.5 mg/mL
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Buffer:	PBS containing 0.05 % BSA, PH 7.4
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.
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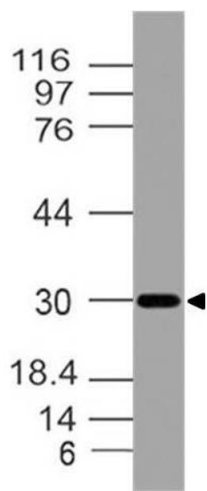


Image 1.