

Datasheet for ABIN7603199

anti-Bax Inhibitor 1 antibody (N-Term)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Bax Inhibitor 1 (TMBIM6)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Bax Inhibitor 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-BI-1/TMBIM6 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human BI-1/TMBIM6, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-BI-1/TMBIM6 Antibody Picoband® (ABIN7603199). Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: Bax Inhibitor 1 (TMBIM6)

Alternative Name: TMBIM6 ([TMBIM6 Products](#))

Background: Synonyms: Prion-like protein doppel, PrPLP, Prion protein 2, PRND, DPL, UNQ1830/PRO3443
Tissue Specificity: Expressed in testis, in Sertoli cells, ejaculated spermatozoa and in seminal fluid (at protein level).
Background: Bax inhibitor 1 is a protein that in humans is encoded by the TMBIM6 gene. Enables endoribonuclease inhibitor activity and ubiquitin protein ligase binding activity. Involved in several processes, including negative regulation of RNA metabolic process, negative regulation of intrinsic apoptotic signaling pathway, and response to L-glutamate. Acts upstream of or within negative regulation of calcium ion transport into cytosol. Located in endoplasmic reticulum membrane and mitochondrial membrane. Biomarker of cervical squamous cell carcinoma and prostate carcinoma.

Molecular Weight: 35 kDa

Gene ID: 7009

UniProt: [P55061](#)

Pathways: [Response to Water Deprivation](#), [ER-Nucleus Signaling](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL/mL, Human
Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL/mL, Human
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human
Immunofluorescence, 5 µg/mL, Human
1. Bailly-Maitre, B., Fondevila, C., Kaldas, F., Droin, N., Luciano, F., Ricci, J.-E., Croxton, R., Krajewska, M., Zapata, J. M., Kupiec-Weglinski, J. W., Farmer, D., Reed, J. C. Cytoprotective gene bi-1 is required for intrinsic protection from endoplasmic reticulum stress and ischemia-reperfusion injury. Proc. Nat. Acad. Sci. 103: 2809-2814, 2006. 2. Carrara, G., Saraiva, N., Gubser, C., Johnson, B. F., Smith, G. L. Six-transmembrane topology for Golgi anti-apoptotic protein (GAAP) and Bax inhibitor 1 (BI-1) provides model for the transmembrane Bax inhibitor-containing motif (TMBIM) family. J. Biol. Chem. 287: 15896-15905, 2012. 3. Gross, M. B. Personal Communication. Baltimore, Md. 3/22/2016.

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.