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10-1044: Monoclonal antibody to Bi-1 (Clone: ABM20E4)

Clonality :	Monoclonal
Clone Name :	ABM20E4
Application :	WB
Reactivity :	Human
Gene :	TMBIM6
Gene ID :	7009
Uniprot ID :	P55061
Format :	Purified
Alternative Name :	TMBIM6,BI1,TEGT
Isotype :	Mouse IgG2a Kappa
Immunogen Information :	A partial length recombinant protein of human Bi-1 (amino acids 1-200) was used as an immunogen for this antibody.

Description

Bi-1 is an anti-apoptotic protein that inhibits Bax activation and its translocation to the mitochondria. Functionally, BI-1 affects the leakage of Ca2+ 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 Ca2+ 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.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 4-6 µg/ml

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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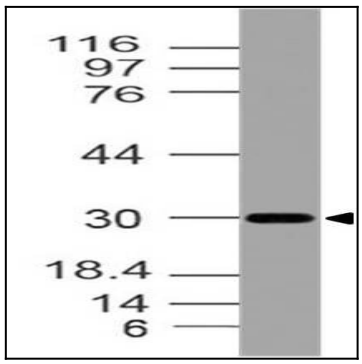


Fig:1- Expression analysis of Bi-1. Anti-Bi-1 antibody (Clone ABM20E4) was tested at 4 µg/ml on Jurkat lysate.

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