abcam

Product datasheet

Recombinant Human Bid protein ab85155

1 Image

Description

Product name	Recombinant Human Bid protein
Purity	> 85 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab85155** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot SDS-PAGE
Form	Liquid

Preparation and Storage

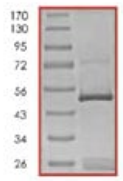
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.00174% PMSF, 0.0039% DTT, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride, 0.79% Tris HCl, 0.003% EDTA

General Info

Function	The major proteolytic product p15 BID allows the release of cytochrome c (By similarity). Isoform 1, isoform 2 and isoform 4 induce ICE-like proteases and apoptosis. Isoform 3 does not induce apoptosis. Counters the protective effect of Bcl-2.
Tissue specificity	Isoform 2 and isoform 3 are expressed in spleen, bone marrow, cerebral and cerebellar cortex. Isoform 2 is expressed in spleen, pancreas and placenta (at protein level). Isoform 3 is expressed

	in lung, pancreas and spleen (at protein level). Isoform 4 is expressed in lung and pancreas (at protein level).
Domain	Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.
Post-translational modifications	TNF-alpha induces a caspase-mediated cleavage of p22 BID into a major p15 and minor p13 and p11 products. Phosphorylated upon DNA damage, probably by ATM or ATR. p15 BID is ubiquitinated by ITCH; ubiquitination results in proteasome-dependent degradation.
Cellular localization	Cytoplasm; Cytoplasm. Mitochondrion membrane. When uncleaved, it is predominantly cytoplasmic; Mitochondrion membrane. A significant proportion of isoform 2 localizes to mitochondria, it may be cleaved constitutively; Mitochondrion membrane. Associated with the mitochondrial membrane and Mitochondrion membrane. Translocates to mitochondria as an integral membrane protein.

Images



SDS-PAGE - Recombinant Human Bid protein (ab85155)

SDS-PAGE showing ab85155 at approximately 52kDa.

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

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