

Product datasheet

Bid peptide ab38270

製品の概要

製品名 Bid peptide

法規制情報

医薬用外毒物

製品の詳細

由来 Synthetic

特性

Our [Abpromise guarantee](#) covers the use of **ab38270** in the following tested applications.

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

アプリケーション Blocking - Blocking peptide for Anti-Bid antibody ([ab2388](#))
Western blot

製品の状態 Liquid

前処理および保存

保存方法および安定性 Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Preservative: 0.02% Thimerosal (merthiolate)
Constituents: 0.1% BSA, PBS, pH 7.2

関連情報

機能 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.

組織特異性 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).

ドメイン 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.

翻譯後修飾

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.

細胞內局在

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.

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