

BID (Cleaved-Arg71) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00787
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human BID (Cleaved-Arg71)
Mol wt	21450
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	BID
Synonyms	BID ;Cleaved-Arg71; BH3-interacting domain death agonist; p22 BID; BID; BH3-interacting domain death agonist p15; p15 BID; BH3-interacting domain death agonist p13; p13 BID; BH3-interacting domain death agonist p11; p11 BID;

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. 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. PTM:Phosphorylated upon DNA damage| probably by ATM or ATR. PTM:TNF-alpha induces a caspase-mediated cleavage of p22 BID into a major p15 and minor p13 and p11 products. subcellular location:A significant proportion of isoform 2 localizes to mitochondria| it may be cleaved constitutively. subcellular location:Associated with the mitochondrial membrane. subcellular location:Translocates to mitochondria as an integral membrane protein. subcellular location:When uncleaved| it is predominantly cytoplasmic. subunit:Forms heterodimers either with the pro-apoptotic protein BAX or the anti-apoptotic protein Bcl-2. tissue specificity:Isoforms 2 and 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).

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year