

Anti-Bid Picoband Antibody

Catalog # ABO11751

Product Information

Application	WB, IHC-P, ICC
Primary Accession	Q63264
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for BH3-interacting domain death agonist(BID) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Other Names	Interleukin-1 beta, IL-1 beta, Il1b
Calculated MW	30644
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Secreted. The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins.
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).
Source	Eukaryota
Protein Name	BH3-interacting domain death agonist
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived human Bid recombinant protein (Position: M1-D195). Human Bid shares 64% and 61% amino acid (aa) sequences identity with mouse and rat Bid, respectively.
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

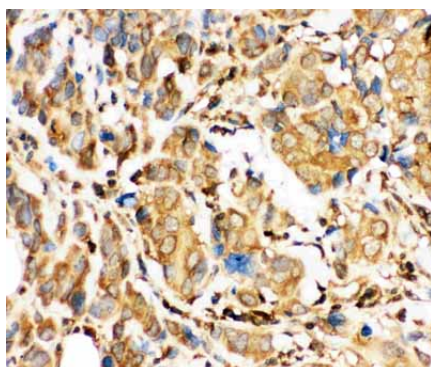
Protein Information

Name	Il1b {ECO:0000312 RGD:2891}
Function	Potent pro-inflammatory cytokine. Initially discovered as the major endogenous pyrogen, induces prostaglandin synthesis, neutrophil influx and activation, T-cell activation and cytokine production, B- cell activation and antibody production, and fibroblast proliferation and collagen production. Promotes Th17 differentiation of T-cells. Synergizes with IL12/interleukin-12 to induce IFNG synthesis from T- helper 1 (Th1) cells. Plays a role in angiogenesis by inducing VEGF production synergistically with TNF and IL6. Involved in transduction of inflammation downstream of pyroptosis: its mature form is specifically released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore.
Cellular Location	Cytoplasm, cytosol {ECO:0000250 UniProtKB:P01584}. Secreted {ECO:0000250 UniProtKB:P01584}. Lysosome {ECO:0000250 UniProtKB:P01584}. Secreted, extracellular exosome {ECO:0000250 UniProtKB:P10749}. Note=The precursor is cytosolic. In response to inflammasome-activating signals, such as ATP for NLRP3 inflammasome or bacterial flagellin for NLRC4 inflammasome, cleaved and secreted. Mature form is secreted and released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore. In contrast, the precursor form is not released, due to the presence of an acidic region that is proteolytically removed by CASP1 during maturation. The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10. {ECO:0000250 UniProtKB:P01584}

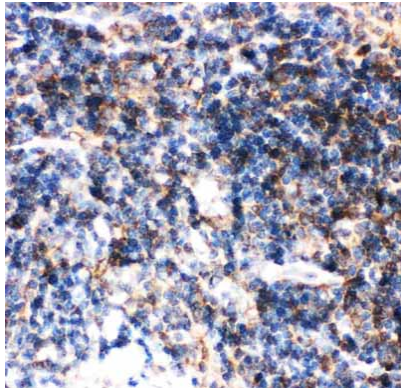
Background

BID (BH3-Interacting Domain Death Agonist), is a pro-apoptotic member of the Bcl-2 protein family. The BCL2 family of proteins consists of both antagonists and agonists that regulate apoptosis and compete through dimerization. By fluorescence in situ hybridization, Wang et al. (1998) mapped the human BID gene to 22q11. Luo et al. (1998) reported the purification of a cytosolic protein that induces cytochrome c release from mitochondria in response to caspase-8, the apical caspase activated by cell surface death receptors such as FAS and TNF.

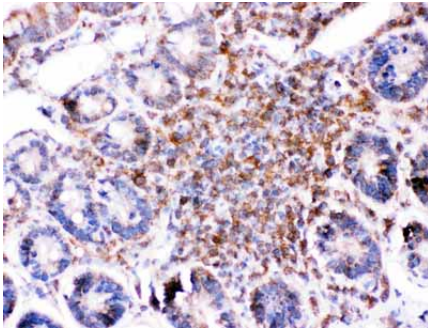
Images



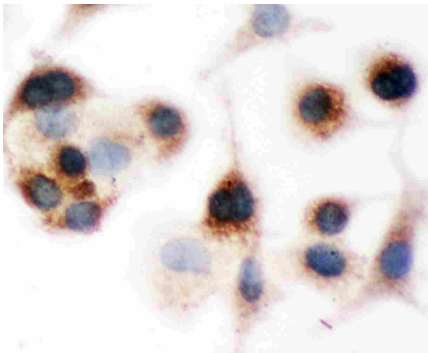
Anti-Bid Picoband antibody, ABO11751-1.JPGIHC(P):
Human Mammary Cancer Tissue



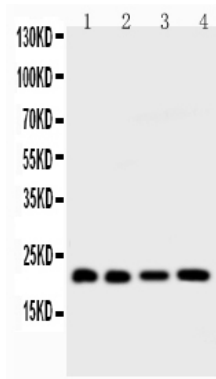
Anti-Bid Picoband antibody, ABO11751-2.JPGIHC(P):
Mouse Spleen Tissue



Anti-Bid Picoband antibody, ABO11751-3.JPGIHC(P): Rat
Intestine Tissue



Anti-Bid Picoband antibody, ABO11751-4.JPGICC: A549
Cell



Anti-Bid Picoband antibody, ABO11751-5.jpgAll lanes:
Anti-BID(ABO11751) at 0.5ug/mlLane 1: HELA Whole Cell
Lysate at 40ugLane 2: COLO320 Whole Cell Lysate at 40ug
Lane 3: JURKAT Whole Cell Lysate at 40ugLane 4: SKOV
Whole Cell Lysate at 40ugPredicted bind size:
22KDObserved bind size: 22KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.