

Product datasheet for **UM500101CF**

BID Mouse Monoclonal Antibody [Clone ID: UMAB139]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB139
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human BID(NP_001187) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	BH3 interacting domain death agonist
Database Link:	NP_001187 Entrez Gene 637 Human P55957



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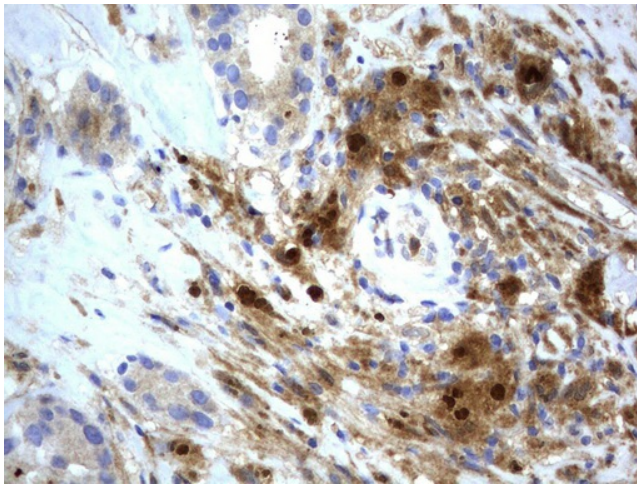
Background: This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008]

Synonyms: FP497

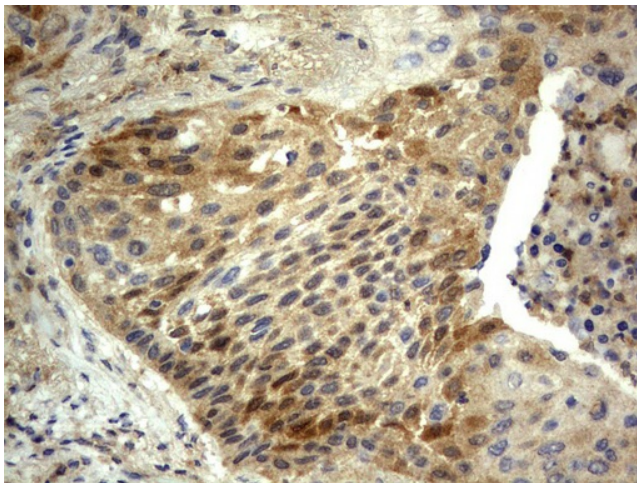
Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Pathways in cancer, Viral myocarditis

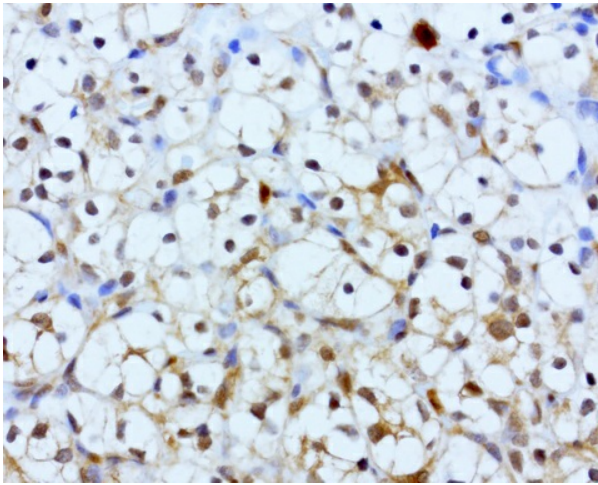
Product images:



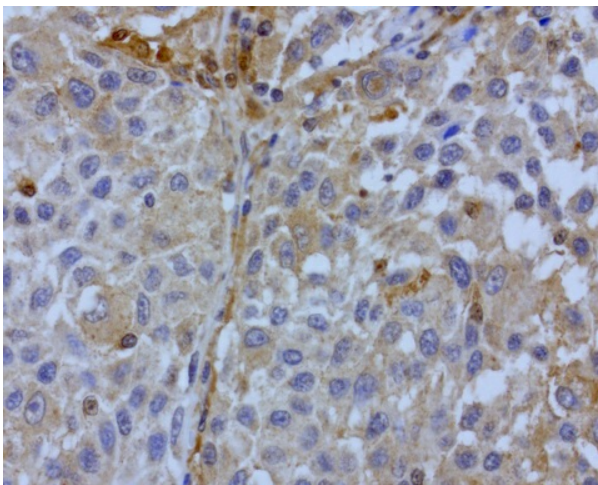
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-BID mouse monoclonal antibody. ([UM500101], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



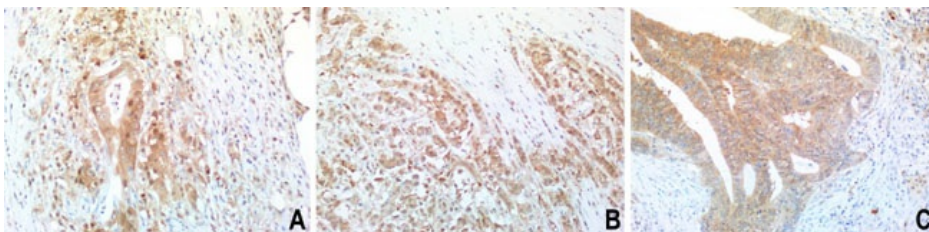
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-BID mouse monoclonal antibody. ([UM500101], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



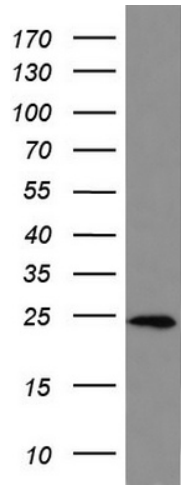
Immunohistochemical staining of paraffin-embedded human kidney carcinoma using BID clone UMAB139, mouse monoclonal antibody at 1:100 dilution of 1mg/mL using Polink2 Broad HRP DAB for detection. [UM500101] requires heat-induced epitope retrieval with Citrate pH6.0 at 110°C for 3min using pressure chamber/cooker. The image shows strong nuclear, membranous, and cytoplasmic staining in the tumor cells.



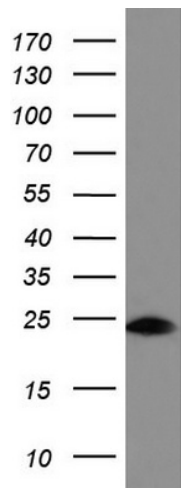
Immunohistochemical staining of paraffin-embedded human melanoma using BID clone UMAB139, mouse monoclonal antibody at 1:100 dilution of 1mg/mL using Polink2 Broad HRP DAB for detection. [UM500101] requires heat-induced epitope retrieval with Citrate pH6.0 at 110°C for 3min using pressure chamber/cooker. The image shows strong nuclear, membranous, and cytoplasmic staining in the tumor cells.



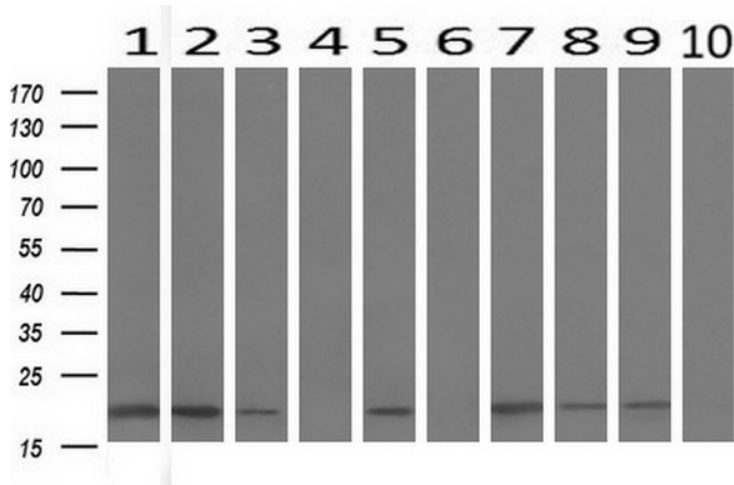
Immunohistochemical staining of paraffin-embedded of 3 human colon cancers using anti-BID clone UMAB139 mouse monoclonal antibody at 1:200 dilution of 0.6mg/mL and detection with Polink2 Broad HRP DAB. [UM500101] requires heat-induced epitope retrieval with citrate pH6.0 at 95-100C 20 minutes. The composite image of 3 colon cancers labeled A, B, and C shows strong membranous and cytoplasmic staining in >75 % of tumor cells and image A and B shows <10% nuclear stain.



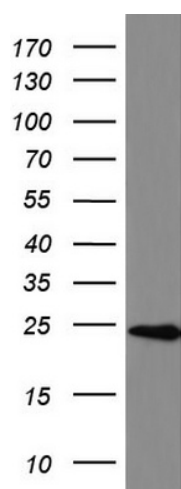
Western blot analysis of HEK293 cell lysate (35ug) by using anti-BID monoclonal antibody.



Western blot analysis of COLO205 cell lysate (35ug) by using anti-BID monoclonal antibody.



Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-BID monoclonal antibody at 1:500 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon; 10: spleen).



Western blot analysis of DU145 cell lysate (35ug)
by using anti-BID monoclonal antibody
[UM500101]