

BID Recombinant Rabbit Monoclonal Antibody (002)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	002
Conjugate	Unconjugated
Immunogen	Recombinant Human BID protein (Met1-Asp195)
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2784984

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
ELISA (ELISA)	1:5,000-1:10,000	-
Immunoprecipitation (IP)	0.5-2 µL/mg of lysate	-

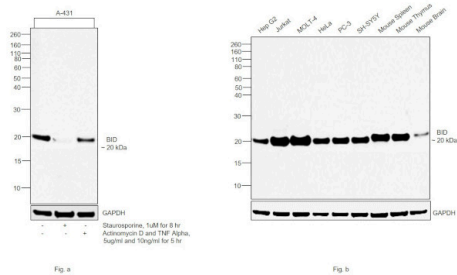
Product Specific Information

This product is preservative free. It is recommended to add sodium azide to avoid contamination (final concentration 0.05%-0.1%).

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

This antibody has specificity for Human BID.

Product Images For BID Recombinant Rabbit Monoclonal Antibody (002)

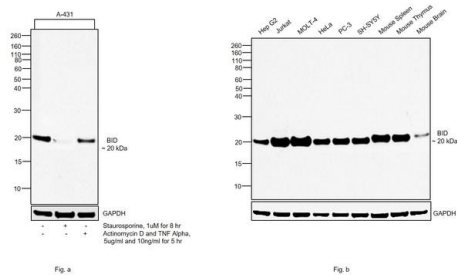


BID Antibody (MA5-29050)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues tested owing to their inherent genetic constitution. Relative expression of BID was observed in Mouse Spleen and Mouse Thymus in comparison to Mouse Brain using Anti-BID Recombinant Rabbit Monoclonal Antibody (2) (Product # MA5-29050) in Western Blot. {RE}

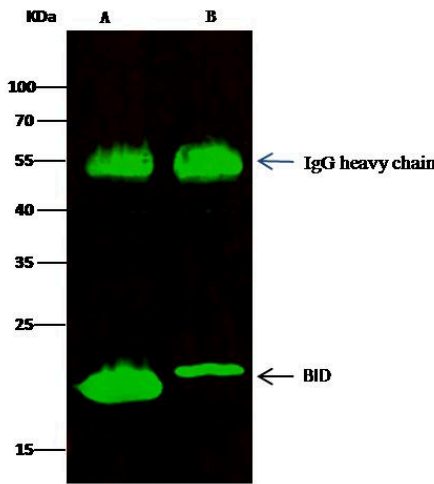
BID Antibody (MA5-29050) in WB

Western blot was performed using Anti-BID Recombinant Rabbit Monoclonal Antibody (2) (Product # MA5-29050) and a 20 kDa band corresponding to BID was observed across cell lines and tissue extracts tested and decreased upon Staurosporine and also with Actinomycin D along with TNF Alpha treatment. The expression of BID is reported to be low in Mouse Brain compared to Mouse Spleen and Mouse Thymus. Fig.a shows whole cell extracts (30 µg lysate) of A-431 (Lane 1), A-431 treated with Staurosporine (1 µM for 8 hr) (Lane 2) and A-431 treated with Actinomycin along with TNF Alpha (5 µg/mL and 10 ng/mL for 5 hr) (Lane 3), Fig.b shows whole cell extracts (30 µg lysate) of Hep G2 (Lane 1), Jurkat (Lane 2), MOLT-4 (Lane 3), HeLa (Lane 4), PC-3 (Lane 5), SH-SY5Y (Lane 6) and tissue extracts of Mouse Spleen (Lane 7), Mouse Thymus (Lane 8) and Mouse Brain (Lane 9) were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1: 1,000 dilution) and detected by chemiluminescence Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP2



BID Antibody (MA5-29050) in IP

BID Immunoprecipitation using: Lane A: 0.5 mg Jurkat Whole Cell Lysate, Lane B: 0.5 mg RAW264.7 Whole Cell Lysate 2 µL with BID Recombinant Rabbit Monoclonal Antibody (2) (Product # MA5-29050) and 15 µL of 50 % Protein G agarose. Primary antibody: BID Recombinant Rabbit Monoclonal Antibody (2), at 1:200 dilution. Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5,000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 22 kDa. Observed band size: 22 kDa.



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