

TOX recombinant antibody

Rabbit anti-TOX Recombinant Monoclonal Antibody [BLR212K]

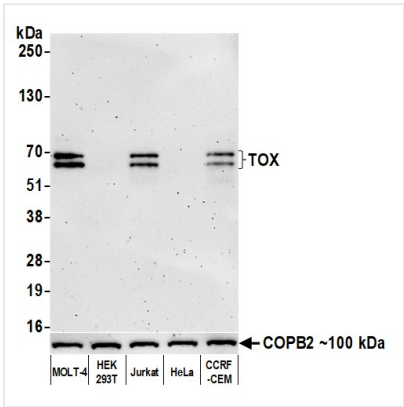
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23867	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

TOX; Recombinant Monoclonal Recombinant Antibody; Rabbit anti-TOX Recombinant Monoclonal Antibody [BLR212K]; thymocyte selection-associated high mobility group box protein TOX; thymus high mobility group box protein TOX; TOX1; Thymocyte selection-associated high mobility group box protein TOX; thymocyte selection associated high mobility group box; TOX recombinant antibody

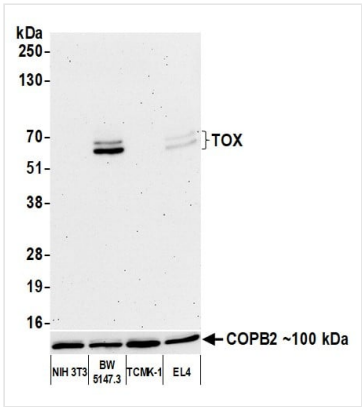
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Recombinant Monoclonal
Isotype	IgG
Clone Number	BLR212K
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	250ug/ml (varies by lot)
Applicable Applications for TOX recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 IP: 20 ul/mg lysate ICC: 1:100 to 1:500. Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE cell sections. FC/FACS: Fixed in 4% formaldehyde and permeabilized with 90% methanol. 0.1 ul per 1 x 10⁶ cells. All western blot analysis is performed using 5% Milk-TBST for blocking and as antibody diluent. Primary antibody is incubated overnight. Western blots of cell lysates are performed using Goat anti-Rabbit IgG Heavy and Light Chain Antibody. Western blots of immunoprecipitates are performed using an anti-Rabbit IgG Light Chain HRP-conjugated antibody with 5% Normal Pig Serum added to the blocking buffer.
Immunogen	Between 75 and 125
Conjugation	Unconjugated
Production Procedure	Recombinant antibody was purified from cell culture supernatant. Thymocyte selection-associated high mobility group box protein TOX using the numbering given in entry NP_055544.1 (Gene ID 9760).
Antigen Species	Human
IHC Human Control	CCRF-CEM cells, HH Cells, Jurkat Cells, MOLT-4 Cells
IHC Mouse Control	A20 Cells, BW5147.3 cells, EL-4 cells
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



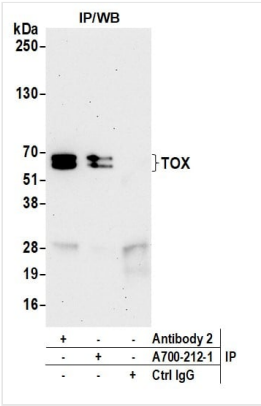
WB (Western Blot)

Detection of human TOX by western blot. Samples: Whole cell lysate (10 ug) from MOLT-4, HEK293T, Jurkat, HeLa, and CCRF-CEM cells prepared using NETN lysis buffer. Antibody: Rabbit anti-TOX recombinant monoclonal antibody (AAA23867 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-COPB2 antibody .



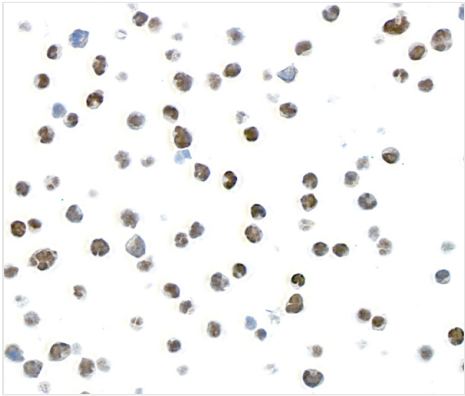
WB (Western Blot)

Detection of mouse TOX by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, BW5147.3, TCMK-1, and EL4 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-TOX recombinant monoclonal antibody (AAA23867 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-COPB2 antibody .



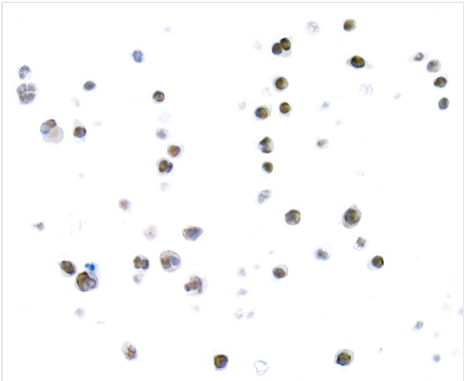
IP (Immunoprecipitation)

Detection of human TOX by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from MOLT-4 cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-TOX recombinant monoclonal antibody [BL-178-12C7] (AAA23867 lot 1) used for IP at 20 ul/mg lysate. TOX was also immunoprecipitated by a second antibody against a different epitope of TOX (Antibody 2). For blotting immunoprecipitated TOX, AAA23867 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 30 seconds.



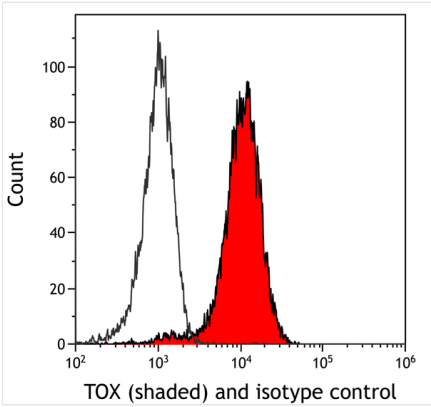
ICC (Immunocytochemistry)

Detection of human TOX by immunocytochemistry. Sample: FFPE section of MOLT-4 cells. Antibody: Rabbit anti-TOX recombinant monoclonal antibody (AAA23867 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG .



ICC (Immunocytochemistry)

Detection of mouse TOX by immunocytochemistry. Sample: FFPE section of BW5147.3 cells. Antibody: Rabbit anti-TOX recombinant monoclonal antibody (AAA23867 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG .



FCM (Flow Cytometry)

Detection of human TOX (shaded) in Jurkat cells by flow cytometry. Antibody: Rabbit anti-TOX recombinant monoclonal antibody (AAA23867) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for TOX recombinant antibody	The thymocyte selection-associated high mobility group box protein TOX is a member of the conserved high-motility group (HMG)-box superfamily. HMG boxes are DNA binding domains found in many eukaryotic proteins involved in chromatin assembly, transcription and replication. TOX functions to regulate T-cell development in the thymus. [taken from NCBI Entrez Gene (Gene ID: 9760)].
Product Categories/Family for TOX recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662322
NCBI GeneID	9760
NCBI Accession #	NP_055544.1
NCBI GenBank Nucleotide #	NM_014729.2
UniProt Accession #	O94900; Q96AV5
Molecular Weight	57,513 Da
NCBI Official Full Name	thymocyte selection-associated high mobility group box protein TOX
NCBI Official Synonym Full Names	thymocyte selection-associated high mobility group box
NCBI Official Symbol	TOX
NCBI Official Synonym Symbols	TOX1
NCBI Protein Information	thymocyte selection-associated high mobility group box protein TOX; thymus high mobility group box protein TOX
UniProt Protein Name	Thymocyte selection-associated high mobility group box protein TOX
UniProt Gene Name	TOX
UniProt Synonym Gene Names	KIAA0808
UniProt Entry Name	TOX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.