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antibody and ELISA experts

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Anti-Daxx Antibody

Catalog Number: PA1809

About DAXX

DAXX (death-domain associated protein) also known as DAP6 (Death-associated protein 6) or BING2, was first discovered through its cytoplasmic interaction with the classical death receptor Fas. Human DAXX encodes a 740-amino acid polypeptide containing a nuclear localization signal. Functional analyses by Yang et al. (1997) demonstrated that Daxx binds to the Fas death domain and enhances Fas-mediated apoptosis. The authors suggested that DAXX and FADD define 2 distinct apoptotic pathways downstream of Fas. The DAXX gene is mapped to human chromosome 6p21.3 by somatic cell hybrid panels and fluorescence in situ hybridization, a region containing the HLA and putative autoimmune disease genes. MSP58 overexpression relieved DAXX-mediated transcriptional repression. Immunoprecipitation and Western blot analysis with DAXX mutants showed that the N terminus of DAXX interacts with the C terminus of DMAP. Transient expression of DAXX or DMAP1 caused repression of glucocorticoid receptor-mediated transcription.

Overview

Product Name	Anti-Daxx Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Daxx Antibody catalog # PA1809. Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9UER7

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Daxx, identical to the related mouse and rat sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

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Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat Flow Cytometry, 1-3ug/1x10^6 cells, Human

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Anti-Daxx Antibody (PA1809) Images

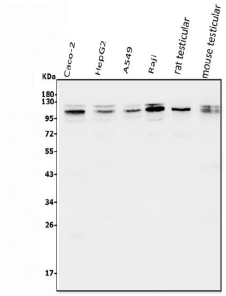

Figure 1. Western blot analysis of DAXX using anti-DAXX antibody (PA1809).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: human Caco-2 whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: human A549 whole cell lysates,
Lane 4: human Raji whole cell lysates,
Lane 5: rat testicular tissue lysates,
Lane 6: mouse testicular tissue lysates.
After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-DAXX antigen affinity purified polyclonal antibody (Catalog # PA1809) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for DAXX at approximately 110KD. The expected band size for DAXX is at 81KD.

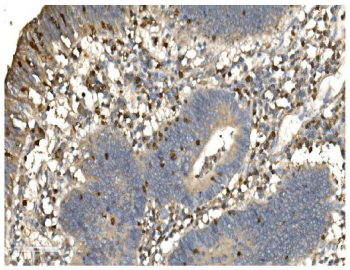

Figure 2. IHC analysis of DAXX using anti-DAXX antibody (PA1809).
DAXX was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-DAXX Antibody (PA1809) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

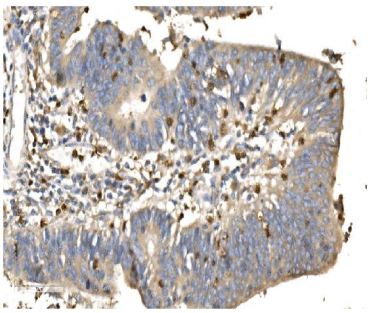

Figure 3. IHC analysis of DAXX using anti-DAXX antibody (PA1809).
DAXX was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-DAXX Antibody (PA1809) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

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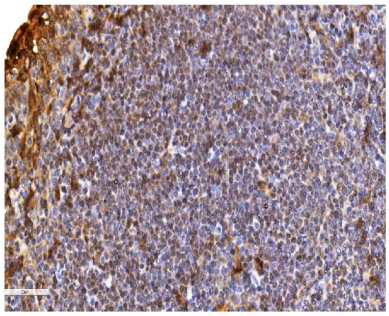

Figure 4. IHC analysis of DAXX using anti-DAXX antibody (PA1809).
DAXX was detected in paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-DAXX Antibody (PA1809) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

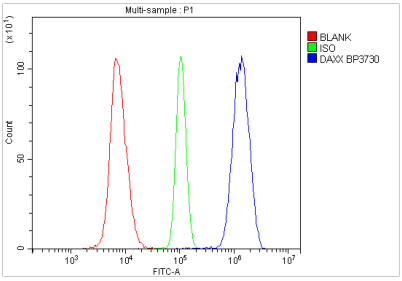

Figure 5. Flow Cytometry analysis of Raji cells using anti-DAXX antibody (PA1809).
Overlay histogram showing Raji cells stained with PA1809 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-DAXX Antibody (PA1809,1ug/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.