

Rabbit anti-Human MAX Monoclonal Antibody | anti-MAX antibody

Recombinant Anti-MAX Antibody, Rabbit Monoclonal

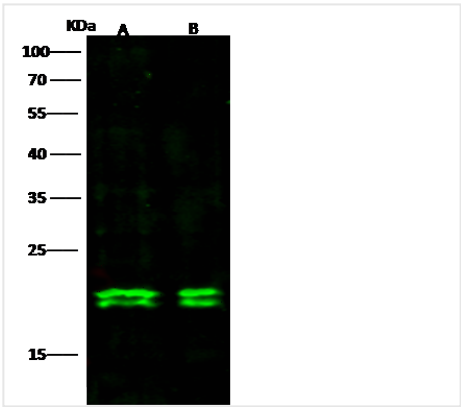
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255613	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

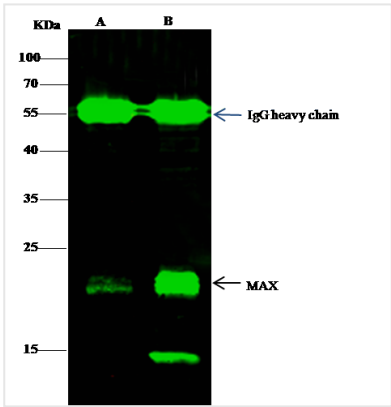
MAX; Monoclonal Antibody; Recombinant Anti-MAX Antibody; Rabbit Monoclonal; MAX/MYC associated factor X Antibody; Rabbit MAb; MYC associated factor X; Anti-bHLHd4 Antibody; anti-MAX antibody

PRODUCT SPECIFICATIONS

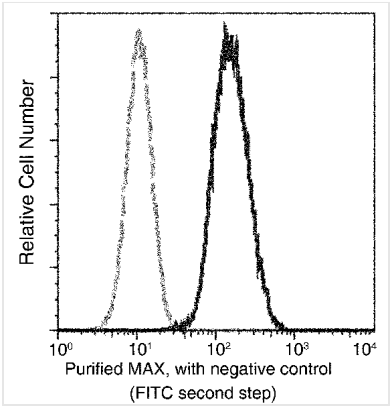
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	103
Specificity	Human MAX/MYC associated factor X
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MAX antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human MAX/MYC associated factor X protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human MAX/MYC associated factor X (rh MAX/MYC associated factor X).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



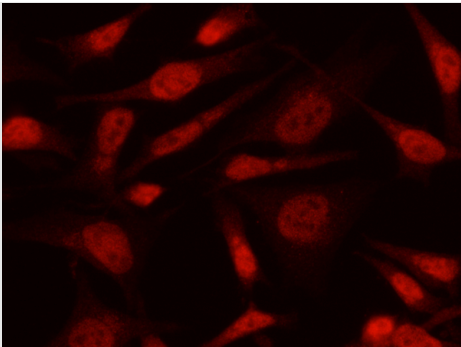
WB (Western Blot)
Anti-MAX rabbit monoclonal antibody at 1:500 dilution
Lane A: Jurkat Whole Cell Lysate
Lane B: 293T Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 18 kDa Observed band size: 20 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)
MAX was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate
Lane B: 0.5 mg 293T Whole Cell Lysate
0.5 uL anti-MAX rabbit monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-MAX rabbit monoclonal antibody, at 1:1000 dilution
Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution
Developed using the odyssey technique. Performed under reducing conditions. Predicted band size: 23 kDa Observed band size: 23 kDa



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human MAX expression on Raji cells. The cells were treated according to manufacturer's manual (BD Pharmingen[®]), stained with purified anti-Human MAX, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)
Immunofluorescence staining of Human MAX in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human MAX monoclonal antibody (1:300) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 594-conjugated goat Anti-rabbit IgG secondary antibody (red). Positive staining was localized to nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-MAX antibody	MYC associated factor X contains 1 basic helix-loop-helix (bHLH) domain and belongs to the MAX family. It is highly expressed in the brain, heart, and lung while lower levels are seen in the liver, kidney, and skeletal muscle. MYC associated factor X can form homodimers and heterodimers with other family members, which include Mad, Mxi1, and Myc. Myc is an oncoprotein implicated in cell proliferation, differentiation, and apoptosis. The homodimers and heterodimers compete for a common DNA target site (the E box) and rearrangement among these dimer forms provides a complex system of transcriptional regulation. MYC associated factor X may also repress transcription via the recruitment of a chromatin remodeling complex containing H3 'Lys-9' histone methyltransferase activity. Multiple alternatively spliced transcript variants have been described for MYC associated factor X gene but the full-length nature for some of them is unknown.
Product Categories/Family for anti-MAX antibody	Apoptosis Transcription Factors and Regulators; P38 MAPK Signaling Pathway
References	Mac Partlin M, et al. (2003) Interactions of the DNA mismatch repair proteins MLH1 and MSH2 with c-MYC and MAX. Oncogene. 22(6):819-25.Cheng SW, et al. (1999) c-MYC interacts with INI1/hSNF5 and requires the SWI/SNF complex for transactivation function. Nat enet. 22(1):102-5.McMahon SB, et al. (1998) The novel ATM-related protein TRRAP is an essential cofactor for the c-Myc and E2F oncoproteins. Cell. 94(3):363-74.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21704261
NCBI GeneID	4149
NCBI Accession #	NP_002373
NCBI GenBank Nucleotide #	NM_002382.4
UniProt Accession #	P61244; P25912; P52163; Q14803; Q96CY8; A6NH73; A8K265; A8K4G4; A8K824
Molecular Weight	19.3 kDa (168aa), confirmed by MALDI-TOF
NCBI Official Full Name	protein max isoform a
NCBI Official Synonym Full Names	MYC associated factor X
NCBI Official Symbol	MAX
NCBI Official Synonym Symbols	bHLHd4
NCBI Protein Information	protein max
UniProt Protein Name	Protein max
UniProt Gene Name	MAX
UniProt Synonym Gene Names	BHLHD4; bHLHd4
UniProt Entry Name	MAX_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/max-antibody-clone-103-immunoprecipitation-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/255613>