Data Sheet (Cat.No.TMAY-02427)

TargetMol

Anti-MAX Antibody (6Q204)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6Q204
Purification:	Protein A

Applications

Verified Activity:

1. Immunofluorescence staining of Human MAX in Hela cells. Cells were fixed with 4% PFA, permeabilzed 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°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.
2. Flow cytometric analysis of Human MAX expression on Raji cells. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), 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.
3. MAX was immunoprecipitated using:
-Lane A:0.5 mg Hela Whole Cell Lysate.
-Lane B:0.5 mg 293T Whole Cell Lysate
-0.5 µL anti-MAX rabbit monoclonal antibody and 15 µl 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.
4. 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 µg 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.)

Application:	ELISA,FCM,ICC/IF,IP,WB
Recommended	WB: 1:500-1:1000; ELISA: 1:25000-1:50000; ICC-IF: 1:100-1:500; FCM: 1:100-1:500; IP: 0.2-1 μL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human MAX / MYC associated factor X protein (TMPY-02888)
Antigen Species:	Human
Synonyms:	MYC associated factor X;bHLHd4
Biology Area:	Apoptosis Transcription Factors and Regulators

Research Background

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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481