Human Max Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF4304

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Max in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human Max Asp37-Ser141 Accession # P61244
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

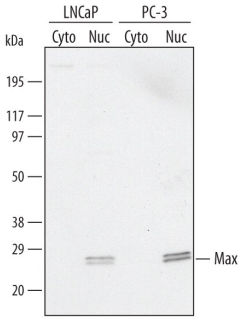
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human Max by Western Blot. Western blot shows lysates of LNCaP human prostate cancer cell line and PC-3 human prostate cancer cell line. Gels were loaded with 20 µg of cytoplasmic (Cyto) and 10 µg of nuclear extracts (Nuc). PVDF membrane was probed with 1 µg/mL Goat Anti-Human Max Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4304) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band for Max was detected at approximately 28 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Max is a member of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. Max is able to form homodimers and heterodimers with other family members (Mad, Mxi1, and Myc). These homodimers and heterodimers compete for a common DNA target site (the E box (CACGTG)). MYC:MAX heterodimers are associated with transcriptional activation and cellular proliferation, whereas, the MAD:MAX heterodimers are associated with transcriptional repression and cellular differentiation. Max has six alternatively spliced transcript variants.

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