
Anti-Max

Cat #: HM1217
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Max is a member of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. It is able to form homodimers and heterodimers with other family members, which include Mad, Mx1 and Myc. Max homodimers and the Myc-Max heterodimers bind the sequence CACGTG; however the binding of the heterodimeric complex is stronger than the Max homodimer. Mad and Mx1 homodimerize poorly but form heterodimeric complexes with Max that have opposing functions to Myc-Max heterodimers with respect to regulation of gene expression. Myc, is highly regulated during progression through the cell cycle while Max is highly stable and is much more abundant than Myc. The Max has been identified as 21 kDa (Max) and 22 kDa (Max 9) proteins that differ by a 9 amino acid insertion N-terminal to the basic region.

SPECIFICITY

This antibody reacts with both Max p21 and Max p22 of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry; non cross-reactive with c-Myc, Mad 1 or Mad 2.

IMMUNOGEN

A peptide at the carboxy terminus of human Max p21.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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