

Mouse Monoclonal Antibody to ATF2

Catalogue Number sAP-0516

Target Molecule **Name:** ATF2

Aliases: HB16; CREB2; TREB7; CRE-BP1; MGC111558; ATF2

MW: 55kDa

Entrez Gene ID: 1386

Description This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent transcription. The protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. Additional transcript variants have been identified but their biological validity has not been determined. Tissue specificity: Abundant expression seen in the brain.

Immunogen Purified recombinant fragment of human ATF2 expressed in E. Coli.

Reactive Species Human; Mouse

Clone MM4F12;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. J Dermatol Sci. 2008 Sep;51(3):210-5. ; 2. J Biol Chem. 2008 Jun 20;283(25):17605-14.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**