

## Mouse Monoclonal Antibody to ATF4

<b>Catalogue Number</b>	sAP-1493
<b>Target Molecule</b>	<p><b>Name:</b> ATF4</p> <p><b>Aliases:</b> FOX3; NEUN; FOX-3; HRNBP3</p> <p><b>MW:</b> 33.8kDa</p> <p><b>Entrez Gene ID:</b> 146713</p>
<b>Description</b>	<p>This gene encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromo-</p>
<b>Immunogen</b>	Purified recombinant fragment of human ATF4 (AA: 212-351) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM2A6F12;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: ; FCM:
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Cell. 2014 Aug 28;158(5):1159-72. ; 2.Tumour Biol. 2014 Jan;35(1):765-71.;

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**