

## Mouse Monoclonal Antibody to BPTF

<b>Catalogue Number</b>	sAP-0553
<b>Target Molecule</b>	<b>Name:</b> BPTF <b>Aliases:</b> FAC1; FALZ; NURF301; BPTF <b>MW:</b> 338kDa
<b>Description</b>	<b>Entrez Gene ID: 2186</b> BPTF (bromodomain and PHD domain transcription factor) is the largest subunit of the ATP-dependent chromatin-remodelling complex, NURF (nucleosome remodelling factor). NURF catalyses ATP-dependent nucleosome sliding and facilitates transcription. BPTF recognises histone H3 tails that are tri-methylated at K4, which marks the transcriptional start site of the vast majority of transcriptionally active genes. BPTF also exhibits some binding to H3 di-methylated at K4. BPTF plays a key role in the development of early mouse embryos, possibly through regulation of the Smad pathway of transcription factors. While BPTF is expressed in low levels in the adult brain and spinal cord, it is expressed in higher levels in the brain in neurodegenerative diseases. It is present in a subset of amyloid-containing plaques in the brains of patients
<b>Immunogen</b>	Purified recombinant fragment of human BPTF expressed in E. Coli. ;
<b>Recitative Species</b>	Human
<b>Clone</b>	MM2F10;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, 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
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. PLoS Genet. 2008 Oct;4(10):e1000241. ; 2. Mol Cell Proteomics. 2008 Mar;7(3):499-508.

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**