

Mouse anti-Human BPTF Antibody | anti-BPTF antibody

BPTF Antibody

CATALOG # AAA108519	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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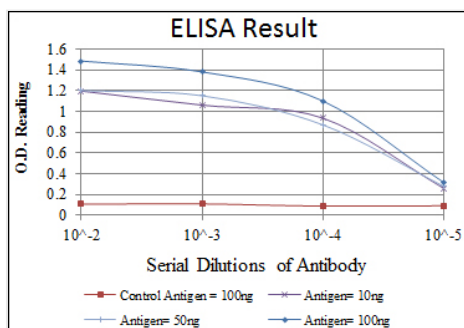
PRODUCT SYNONYMS

BPTF; BPTF Antibody; FAC1; FALZ; NURF301; anti-BPTF antibody

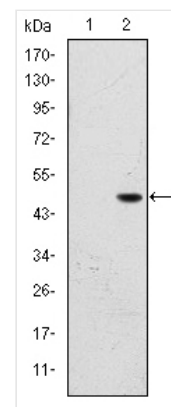
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	2F10
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	2903
Applicable Applications for anti-BPTF antibody	ELISA, WB (Western Blot)
Immunogen	Purified recombinant fragment (503-670aa) of human BPTF expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

IMAGES



Application Data



WB (Western Blot)

Figure 1: Western blot analysis using BPTF mAb against HEK293 (1) and BPTF-hlgGfC transfected HEK293 (2) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-BPTF antibody	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 suffering from Alzheimer's disease. Abundantly expressed in the fetal brain. Present throughout the gray and white matter of the developing spinal cord at 18-22 gestational weeks. Expressed at low levels in adult brain and spinal cord and reexpressed in neurodegenerative diseases (at protein level). Tissue specificity: Ubiquitously expressed, with highest levels in testis. Present in kidney, liver and brain. In the brain, highest levels are found in motor cortex (at protein level).
Product Categories/Family for anti-BPTF antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	38788260
NCBI GeneID	2186
NCBI Accession #	NP_004450.3
NCBI GenBank Nucleotide #	NM_004459.6
UniProt Accession #	Q12830; Q6NX67; Q7Z7D6; Q9UIG2
Molecular Weight	338kDa
NCBI Official Full Name	nucleosome-remodeling factor subunit BPTF isoform 2
NCBI Official Synonym Full Names	bromodomain PHD finger transcription factor
NCBI Official Symbol	BPTF
NCBI Official Synonym Symbols	FAC1; FALZ; NEDDFL; NURF301
NCBI Protein Information	nucleosome-remodeling factor subunit BPTF
UniProt Protein Name	Nucleosome-remodeling factor subunit BPTF
UniProt Gene Name	BPTF
UniProt Synonym Gene Names	FAC1; FALZ

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/bptf/108519>