BPTF Mouse mAb

CatalogNo: YM0080

Key Features

Host Species
- Mouse

Reactivity
- Human

Applications
- WB,ELISA

MW
- 338kD (Calculated)

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:10000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Monoclonal

Immunogen Information

Immunogen	Purified recombinant fragment of human BPTF expressed in E. Coli.
Specificity	BPTF Monoclonal Antibody detects endogenous levels of BPTF protein.

Target Information

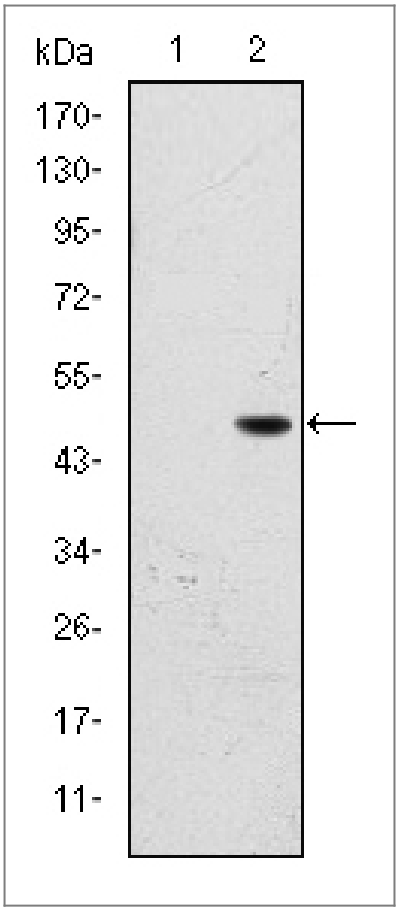
Gene name	BPTF

Protein Name	Nucleosome-remodeling factor subunit BPTF

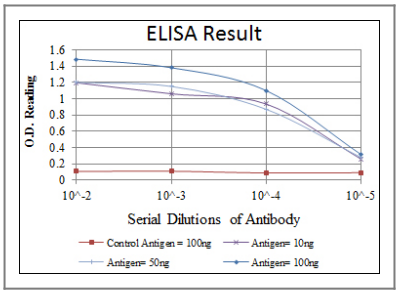
Organism	Gene ID	UniProt ID
Human	2186;	Q12830;

Cellular Localization	Cytoplasm. Nucleus. In brains of Alzheimer disease patients, present in a subset of amyloid-containing plaques.
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).
Function	developmental stage: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).,Domain:The second PHD-type zinc finger mediates binding to histone H3-K4Me3.,Function:Histone-binding component of NURF (nucleosome-remodeling factor), a complex which catalyzes ATP-dependent nucleosome sliding and facilitates transcription of chromatin. Specifically recognizes H3 tails trimethylated on 'Lys-4' (H3-K4Me3), which mark transcription start sites of virtually all active genes. May also regulate transcription through direct binding to DNA or transcription factors.,miscellaneous:Highly susceptible to proteolysis.,PTM:Phosphorylation enhances DNA-binding. Phosphorylated upon DNA damage, probably by ATM or ATR.,sequence Caution:Several sequencing errors in the N-terminal part.,sequence Caution:Several sequencing errors.,similarity:Belongs to the PBTF family.,similarity:Contains 1 bromo domain.,similarity:Contains 1 DDT domain.,similarity:Contains 2 PHD-type zinc fingers.,subcellular location:In brains of Alzheimer disease patients, present in a subset of amyloid-containing plaques.,subunit:Interacts with MAZ. Interacts with KEAP1. Part of the nucleosome-remodeling factor (NURF) complex which consists of SMARCA1; BPTF; RBBP4 and RBBP7. Interacts with histone H3-K4Me3 and to a lesser extent with histone H3-K4Me2.,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).,

Validation Data



Western Blot analysis using BPTF Monoclonal Antibody against HEK293 (1) and BPTF (AA: 503-670)-hIgGFc transfected HEK293 (2) cell lysate.



Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
BPTF Mouse mAb