



BRD4 mouse mAb

Catalog No	YP-mAb-18034
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BRD4 HUNK1
Immunogen	Synthesized peptide derived from human BRD4
Specificity	This antibody detects endogenous levels of BRD4 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BRD 4;bromodomain containing 4;Bromodomain-containing protein 4;HUNK1;MCAP;BRD4;BRD4 HUNK1;Bromodomain-containing protein 4 (Protein HUNK1)
Observed Band	200 kDa
Calculated Molecular Weight	1362 aa, 152 kDa
Cell Pathway	Nucleus . Chromosome . Associates with acetylated chromatin (PubMed:21890894, PubMed:16109376). Released from chromatin upon deacetylation of histones that can be triggered by different signals such as activation of the JNK pathway or nocodazole treatment (PubMed:21890894, PubMed:16109376). Preferentially localizes to mitotic chromosomes, while it does not localizes to meiotic chromosomes (PubMed:21890894, PubMed:16109376). .; [Isoform B]: Chromosome .
Tissue Specificity	Ubiquitously expressed.
Function	Chromatin reader protein that recognizes and binds acetylated histones and plays a key role in transmission of epigenetic memory across cell divisions and transcription regulation. Remains associated with acetylated chromatin throughout the entire cell cycle and provides epigenetic memory for postmitotic G1 gene transcription by preserving acetylated chromatin status and maintaining high-order chromatin structure . During interphase, plays a key role in regulating



the transcription of signal-inducible genes by associating with the P-TEFb complex and recruiting it to promoters. Also recruits P-TEFb complex to distal enhancers, so called anti-pause enhancers in collaboration with JMJD6. BRD4 and JMJD6 are required to form the transcriptionally active P-TEFb complex by displacing negative regulators such as HEXIM1 and 7SKsnRNA complex from P-TEFb, thereby transforming it into an active for

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images