

PWWP domain-containing protein 2B Antibody

Mouse Monoclonal Antibody [Clone PCR-PWWP2B-1C8]

Catalog No	Format	Size
170394-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
170394-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
170394-MSM1-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	PCR-PWWP2B-1C8
Immunogen	Recombinant human PWWP2B protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG
Mol. Weight of Antigen	63.97kDa
Species Reactivity	Human

**Optimal dilution for a specific application should be determined.*

Product Images for PWWP domain-containing protein 2B Antibody

Specificity & Comments

Chromatin-binding protein that acts as an adapter between distinct nucleosome components (H3K36me3 or H2A.Z) and chromatin-modifying complexes, contributing to the regulation of the levels of histone acetylation at actively transcribed genes (PubMed:30228260). Competes with CHD4 and MBD3 for interaction with MTA1 to form a NuRD subcomplex, preventing the formation of full NuRD complex (containing CHD4 and MBD3), leading to recruitment of HDACs to gene promoters resulting in turn in the deacetylation of nearby H3K27 and H2A.Z (PubMed:30228260). Plays a role in facilitating transcriptional elongation through regulation of histone acetylation (By similarity). Negatively regulates brown adipocyte thermogenesis by interacting with and stabilizing HDAC1 at the UCP1 gene promoter, thereby promoting histone deacetylation at the promoter leading to the repression of UCP1 expression (By similarity).

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.