

PWWP2B antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12971**Specification**

PWWP2B antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O6NUJ5
Other Accession	NM_001098637 , NP_001092107
Reactivity	Human, Mouse, Rat, Pig, Bovine
Predicted	Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53kDa KDa

PWWP2B antibody - N-terminal region - Additional Information**Gene ID** 170394**Alias Symbol** FLJ39621, FLJ46823, PWWP2, RP11-273H7.1, bA432J24.1, pp8607**Other Names**

PWWP domain-containing protein 2B, PWWP2B, PWWP2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PWWP2B antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PWWP2B antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PWWP2B antibody - N-terminal region - Protein Information**Name** PWWP2B**Synonyms** PWWP2**Function**

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

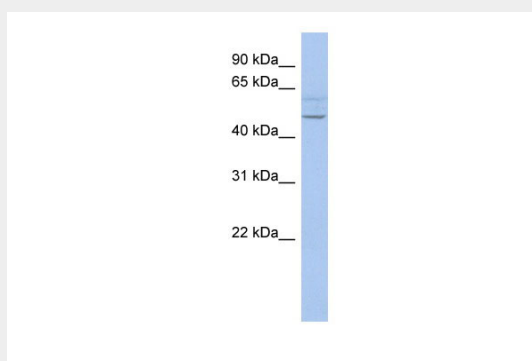
gene promoters resulting in turn in the deacetylation of nearby H3K27 and H2A.Z (PubMed:30228260). Plays a role in facilitating transcriptional elongation through regulation of histone acetylation (By similarity). Negatively regulates brown adipocyte thermogenesis by interacting with and stabilizing HDAC1 at the UCP1 gene promoter, thereby promoting histone deacetylation at the promoter leading to the repression of UCP1 expression (By similarity).

PWWP2B antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PWWP2B antibody - N-terminal region - Images



WB Suggested Anti-PWWP2B Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: DU145 cell lysate

PWWP2B antibody - N-terminal region - References

Deloukas P., et al. Nature 429:375-381(2004).
Ota T., et al. Nat. Genet. 36:40-45(2004).