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

Specification

PWWP2B antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q6NUJ5
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

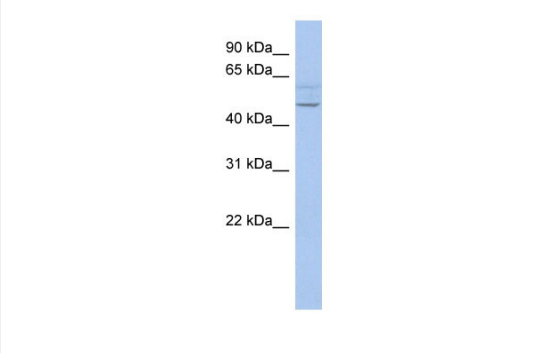
gene promoters resulting in turn in the deacetylation of nearby H3K27 and H2A.Z (PubMed:30228260). Plays a role in facilitating transcriptional elongation through regulation of histone acetylation (By similarity). Negatively regulates brown adipocyte thermogenesis by interacting with and stabilizing 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 Cytomety
- 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).