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PWWP2B antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12971

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	63967

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.

Protein Information

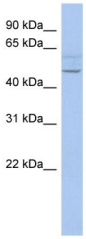
Name	PWWP2B
Synonyms	PWWP2
Function	Chromatin-binding protein that acts as an adapter between distinct nucleosome components (H3K36me3 or H2A.Z) and chromatin- modifying complexes, contributing to the regulation of the levels of histone acetylation at actively transcribed genes (PubMed:30228260). Competes 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).

References

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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.