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PWWP2A antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12969

Specification

PWWP2A antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q96N64
Other Accession	NM_052927, NP_443159
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Guinea Pig, Dog**
Predicted	**Rat, Horse, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**61kDa KDa**

PWWP2A antibody - C-terminal region - Additional Information

Gene ID 114825

Alias Symbol	**KIAA1935, MGC132770, MST101**

Other Names
PWWP domain-containing protein 2A, PWWP2A, KIAA1935, MST101

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-PWWP2A 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
PWWP2A antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PWWP2A antibody - C-terminal region - Protein Information

Name PWWP2A

Synonyms KIAA1935, MST101

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, PubMed:30327463). 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, PubMed:30327463). Plays a role in facilitating transcriptional elongation and repression of spurious transcription initiation through regulation of histone acetylation (By similarity). Essential for proper mitosis progression (PubMed:28645917).

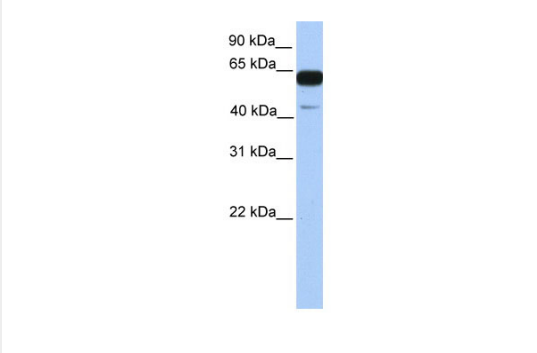
Cellular Location
Nucleus.

PWWP2A antibody - C-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

PWWP2A antibody - C-terminal region - Images



WB Suggested Anti-PWWP2A Antibody Titration: 0.2-1 µg/ml
Positive Control: Human brain

PWWP2A antibody - C-terminal region - References

Nagase T.,et al.DNA Res. 8:179-187(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Schmutz J.,et al.Nature 431:268-274(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Olsen J.V.,et al.Cell 127:635-648(2006).