

## ARG64261 anti-PIWI / HIWI antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes PIWI / HIWI
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog, Pig
Tested Application	IHC-P
Specificity	This antibody is expected to recognise both reported isoforms (NP_004755.2; NP_001177900.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PIWI / HIWI
Species	Human
Immunogen	C-SNRKDKYDAIKKY
Conjugation	Un-conjugated
Alternate Names	Piwi-like protein 1; HIWI; MIWI; CT80.1; PIWI

### Application Instructions

Application table	Application	Dilution
	IHC-P	4 - 6 µg/ml

**Application Note** IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links [GeneID: 9271 Human](#)

[Swiss-port # Q96J94 Human](#)

**Background** This gene encodes a member of the PIWI subfamily of Argonaute proteins, evolutionarily conserved proteins containing both PAZ and Piwi motifs that play important roles in stem cell self-renewal, RNA silencing, and translational regulation in diverse organisms. The encoded protein may play a role as an intrinsic regulator of the self-renewal capacity of germline and hematopoietic stem cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

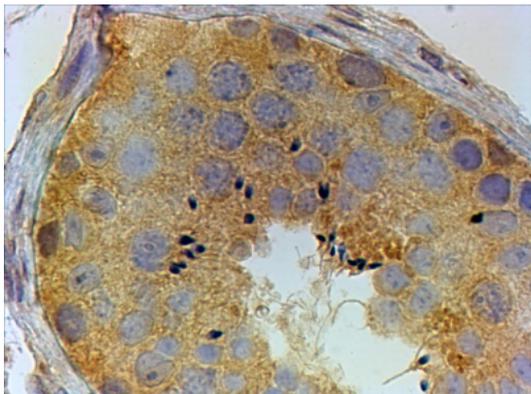
**Research Area** Gene Regulation antibody

**Calculated Mw** 99 kDa

**PTM** Arginine methylation by PRMT5 is required for the interaction with Tudor domain-containing protein (TDRD1, TDRKH/TDRD2, RNF17/TDRD4, TDRD6, TDRD7 and TDRD9) and subsequent localization to the meiotic nuage, also named P granule.

## Images

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ARG64261 anti-PIWI / HIWI antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Testis. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64261 anti-PIWI / HIWI antibody at 4 µg/ml dilution followed by HRP-staining.