

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.	

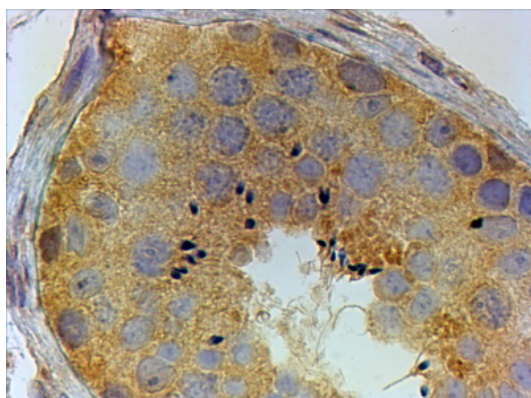
Properties

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.

Bioinformation

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



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.