

# Product Datasheet

## PIWIL1/HIWI Antibody NBP1-06062

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-06062**

## PIWIL1/HIWI Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

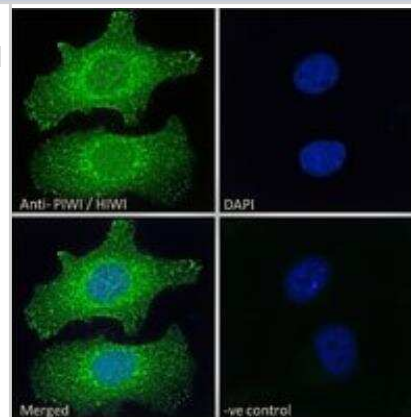
Product Description	
Description	Novus Biologicals Goat PIWIL1/HIWI Antibody (NBP1-06062) is a polyclonal antibody validated for use in IHC, ELISA, Flow and ICC/IF. Anti-PIWIL1/HIWI Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	9271
Gene Symbol	PIWIL1
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_004755.2; NP_001177900.1).
Immunogen	Peptide with sequence C-SNRKDKYDAIKKY corresponding to internal region according to NP_004755.2, NP_001177900.1.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Flow Cytometry 10 ug/mL, Immunohistochemistry 4 - 6 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 4 - 6 ug/mL, Peptide ELISA Detection limit 1:64000

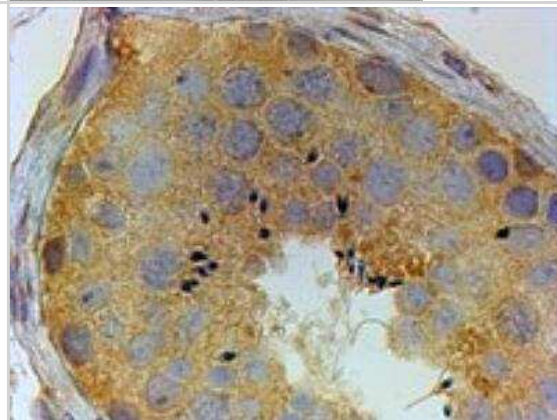


## Images

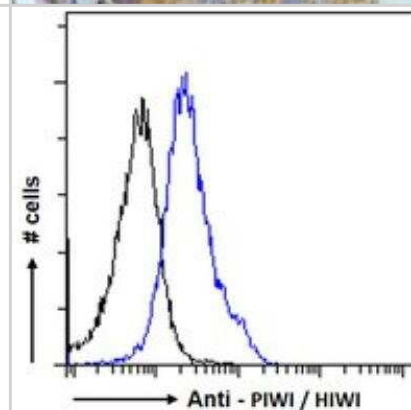
Immunocytochemistry/Immunofluorescence: PIWIL1/HIWI Antibody [NBP1-06062] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



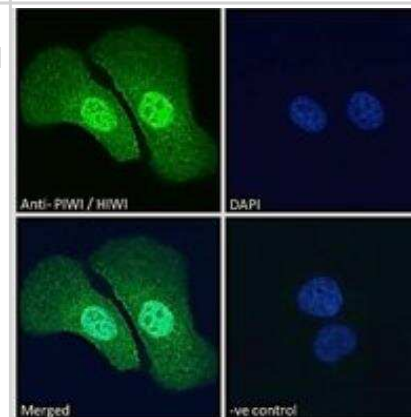
Immunohistochemistry-Paraffin: PIWIL1/HIWI Antibody [NBP1-06062] - Staining of paraffin embedded Human Testis. Antibody at 4 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



Flow Cytometry: PIWIL1/HIWI Antibody [NBP1-06062] - Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/Immunofluorescence: PIWIL1/HIWI Antibody [NBP1-06062] - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



## Publications

Szakmary A, Cox DN, Wang Z, Lin H. Regulatory Relationship among piwi, pumilio, and bag-of-marbles in Drosophila Germline Stem Cell Self-Renewal and Differentiation. *Curr Biol* 2005-01-26 [PMID: 15668175]



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### Products Related to NBP1-06062

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00009271-Q01-10ug	Recombinant Human PIWIL1/HIWI GST (N-Term) Protein

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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