PIWIL1 polyclonal antibody

Catalog # PAB6758 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PIWIL1.
Immunogen	A synthetic peptide corresponding to human PIWIL1.
Sequence	C-SNRKDKYDAIKKY
Host	Goat
Theoretical MW (kDa)	98.5
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:64000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

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Gene Info — PIWIL1

Entrez GeneID	9271
Protein Accession#	NP_004755.2
Gene Name	PIWIL1
Gene Alias	HIWI, MIWI, PIWI
Gene Description	piwi-like 1 (Drosophila)
Omim ID	605571
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the PIWI subfamily of Argonaute proteins, evolutionarily conserv ed 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 cel ls. [provided by RefSeq
Other Designations	piwi homolog|piwi-like 1

Publication Reference

- Regulatory relationship among piwi, pumilio, and bag-of-marbles in Drosophila germline stem cell self-renewal and differentiation.

  Szakmary A, Cox DN, Wang Z, Lin H.

  Current Biology 2005 Jan; 15(2):171.

  Application: IF, IHC, Drosophila, Drosophila ovarian germline stem cells

Pathway

- Dorso-ventral axis formation

Disease

- Adenocarcinoma

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- Carcinoma
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Kidney Neoplasms
- Neoplasm Recurrence

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