



Human PIWIL1 peptide (DAG-P1899)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Specificity	Detected in most fetal and adult tissues. Expressed in testes, specifically in germline cells; detected in spermatocytes and spermatids during spermatogenesis. Increased expression in testicular tumors originating from embryonic germ cells with retention
Conjugate	Unconjugated
Sequence Similarities	Belongs to the argonaute family. Piwi subfamily. Contains 1 PAZ domain. Contains 1 Piwi domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PIWIL1 piwi-like RNA-mediated gene silencing 1 [Homo sapiens (human)]
Official Symbol	PIWIL1
Synonyms	PIWIL1; piwi-like RNA-mediated gene silencing 1; HIWI; MIWI; PIWI; CT80.1; piwi-like protein 1; piwi homolog;

Entrez Gene ID	9271
mRNA Refseq	NM_001190971.1
Protein Refseq	NP_001177900.1
UniProt ID	Q96J94
Chromosome Location	12q24.33
Pathway	Dorso-ventral axis formation, organism-specific biosystem; Dorso-ventral axis formation, conserved biosystem;
Function	mRNA binding; piRNA binding; protein binding; single-stranded RNA binding;