



Anti-PIWIL4 (aa 639-839) polyclonal antibody (CPBT-43547RH)

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

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human PIWIL4.
Antigen Description	PIWIL4 belongs to the Argonaute family of proteins, which function in development and maintenance of germline stem cells (Sasaki et al., 2003)
Specificity	Expressed in testis. According to PubMed:17544373, it is ubiquitously expressed.
Immunogen	Recombinant fragment, corresponding to a region within amino acids 639-839 of Human PIWIL4 (AAH31060).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC/IF
Sequence Similarities	Belongs to the argonaute family. Piwi subfamily. Contains 1 PAZ domain. Contains 1 Piwi domain.
Cellular Localization	Nucleus. Cytoplasm. Probable component of the meiotic nuage, also named P granule, a germ-cell-specific organelle required to repress transposon during meiosis. PIWIL2/MILI is required for nuclear localization.
Format	Liquid

Size	50 µl
Buffer	pH: 7.00Preservative:0.01% Thimerosal (merthiolate)Constituents:78.99% PBS, 1% BSA, 20% Glycerol
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	PIWIL4 piwi-like 4 (Drosophila) [Homo sapiens]
Official Symbol	PIWIL4
Synonyms	PIWIL4; piwi-like 4 (Drosophila); piwi-like protein 4; FLJ36156; HIWI2; Miwi2; DKFZp686P01248; FLJ36156; HILI 2; HILI2; HIWI 2; HIWI2; Miwi 2 protein; Miwi2; PIWI; Piwi like 2; Piwi like 4 (Drosophila); Piwi like 4; Piwi like protein 4; PIWI like protein; Piwi-like protein 4; PIWIL 4; Piwil4; PIWL4_HUMAN; MIWI2;
Entrez Gene ID	143689
Protein Refseq	NP_689644
UniProt ID	Q7Z3Z4
Chromosome Location	11q12
Pathway	Dorso-ventral axis formation, organism-specific biosystem; Dorso-ventral axis formation, conserved biosystem;
Function	piRNA binding;