

Datasheet for ABIN7163477
anti-PIWIL1 antibody (AA 390-690)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	PIWIL1
Binding Specificity:	AA 390-690
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIWIL1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Piwi-like protein 1 protein (390-690AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	PIWIL1
Alternative Name:	PIWIL1 (PIWIL1 Products)
Background:	Background: Plays a central role during spermatogenesis by repressing transposable elements and preventing their mobilization, which is essential for the germline integrity. Acts via the

Target Details

piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Directly binds methylated piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements. Besides their function in transposable elements repression, piRNAs are probably involved in other processes during meiosis such as translation regulation. Probable component of some RISC complex, which mediates RNA cleavage and translational silencing. Also plays a role in the formation of chromatoid bodies and is required for some miRNAs stability (By similarity). Isoform 3 may be a negative developmental regulator (PubMed:12037681, PubMed:16287078).

Aliases: HIWI antibody, MIWI antibody, Piwi (Drosophila) like 1 antibody, PIWI antibody, Piwi homolog antibody, Piwi like 1 (drosophila) antibody, Piwi like 1 antibody, Piwi-like protein 1 antibody, PIWIL1 antibody, PIWL1_HUMAN antibody

UniProt: [Q96J94](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

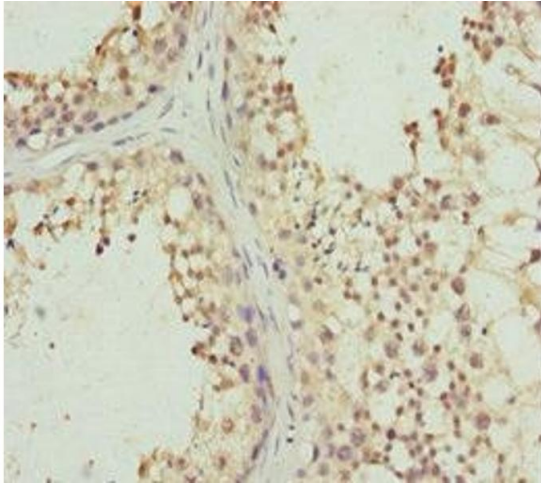
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7163477 at dilution of 1:100