

## Datasheet for ABIN6991435 **anti-PIWIL2 antibody (AA 460-510)**



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### Overview

Quantity:	0.1 mg
Target:	PIWIL2
Binding Specificity:	AA 460-510
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIWIL2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	PIWI-L2 antibody was raised against a 14 amino acid synthetic peptide near the center of human PIWI-L2. The immunogen is located within amino acids 460 - 510 of PIWI-L2.
Isotype:	IgG
Purification:	PIWI-L2 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	PIWIL2
Alternative Name:	PIWI-L2 ( <a href="#">PIWIL2 Products</a> )
Background:	PIWI-L2 Antibody: PIWI-L2 is a member of the PIWI subfamily of Argonaute proteins, evolutionarily conserved proteins containing both PAZ and Piwi motifs that are crucial for the biogenesis and function of small non-coding RNAs and play important roles in stem cell self-

## Target Details

renewal, RNA silencing, and translational regulation in diverse organisms. PIWI-L2 has been implicated in multiple roles including stem cell self-renewal and is highly expressed in many breast cancers. In these tumors, PIWI-L2 silences the expression of STAT3, a regulator of Bcl-XL and cyclin D1, allowing the proliferation and survival of breast cancer stem cells. Recent studies have shown that overexpression of PIWI-like proteins are potential biomarkers for colon and other cancers.

Gene ID:	55124
NCBI Accession:	<a href="#">NP_00129193</a>
UniProt:	<a href="#">Q8TC59</a>
Pathways:	<a href="#">Stem Cell Maintenance</a>

## Application Details

Application Notes:	PIWI-L2 antibody can be used for detection of PIWI-L2 by immunohistochemistry at 5 µg/mL.
	Antibody validated: Immunohistochemistry in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PIWI-L2 Antibody is supplied in PBS containing 0.02 % sodium azide.
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, 4 °C
Storage Comment:	PIWI-L2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.