

Datasheet for 600-401-DP5**PIWI-L3 Antibody****Overview**

Description:	Anti-PIWI-L3 (RABBIT) Antibody - 600-401-DP5
Item No.:	600-401-DP5
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	PIWI-L3 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-renewal, RNA silencing, and translational regulation in diverse organisms. Recent studies have shown that overexpression of PIWI-L3 (as well as other PIWI-like proteins) are potential biomarkers for astrocytic glioma, meningioma, and other cancers.
Synonyms:	PIWI-L3 Antibody, HIWI3, Piwi-like protein 3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PIWIL3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PIWI-L3 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human PIWI-L3.
Purity/Specificity:	Anti-PIWI-L3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with PIWI-L3 from other sources has not been determined.

Relevant Links:	• UniProtKB - Q7Z3Z3 • GeneID - 440822 • NCBI - NP_001008496
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Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-PIWI-L3 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 101 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

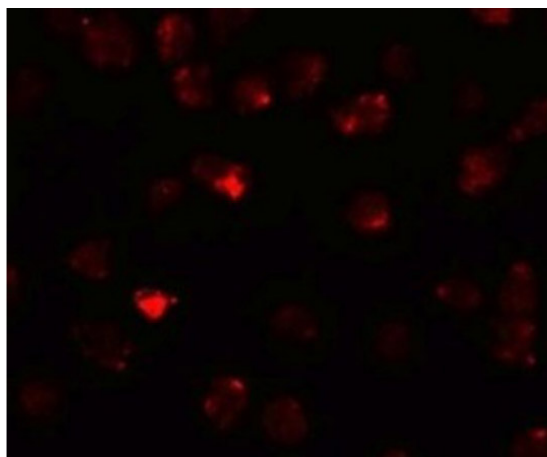
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

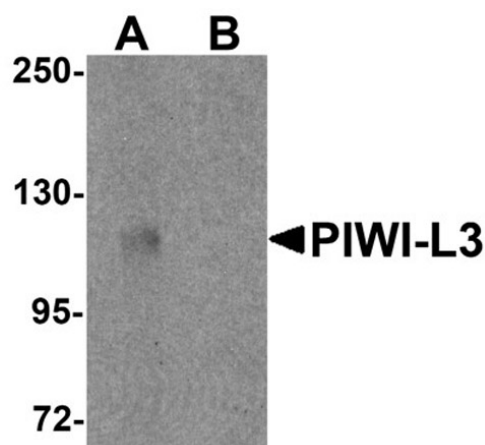
Images

**Immunofluorescence Microscopy**

Immunofluorescence of PIWI-L3.

Cell: 3T3 cells.

Primary Antibody: Anti-PIWI-L3 antibody at 20 µg/mL.

**Western Blot**

Western blot analysis of PIWI-L3.

Load: 3T3 cell lysate.

Primary Antibody: Anti-PIWI-L3 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

Disclaimer

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