

Rabbit anti-Human, Mouse PIWI-L2 Polyclonal Antibody | anti-PIWIL2 antibody

PIWI-L2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39590	Rabbit	Human, Mouse	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

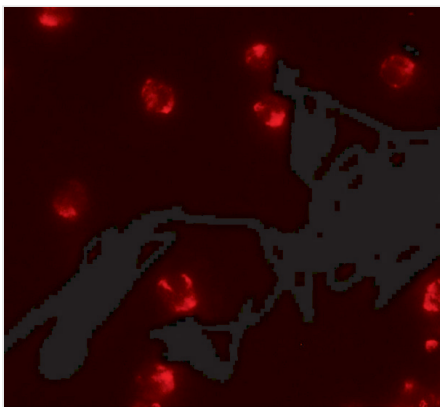
PRODUCT SYNONYMS

PIWI-L2; Polyclonal Antibody; PIWI-L2 Antibody; CT80; HILI; mili; PIWIL1L; Piwi-like protein 2; piwi-like 2; anti-PIWIL2 antibody

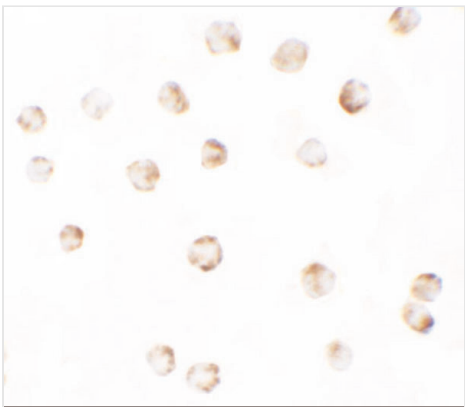
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of PIWI-L2 are known to exist; this antibody will only detect the two longest isoforms. PIWI-L2 antibody is predicted to not cross-react with other PIWI protein family members.
Purity/Purification	PIWI-L2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; PIWI-L2 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	973
Applicable Applications for anti-PIWIL2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PIWI-L2 antibody was raised against a 17 amino acid synthetic peptide near the center of human PIWI-L2. The immunogen is located within amino acids 410-460 of PIWI-L2
Preparation and Storage	PIWI-L2 antibody can be stored at 4 degree C for three months and -20 degree 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.

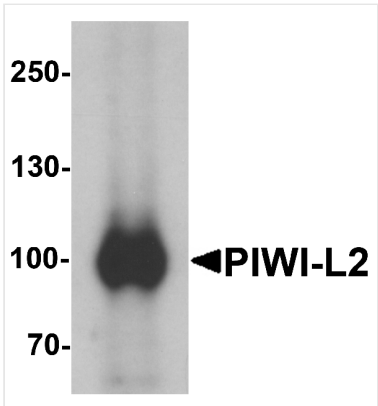
IMAGES



IF (Immunofluorescence)
Immunofluorescence of PIWI-L2 in HepG2 cells with PIWI-L2 antibody at 5 μg/ml.



ICC (Immunocytochemistry)
Immunocytochemistry of PIWI-L2 in HepG2 cells with PIWI-L2 antibody at 2.5 μg/ml.



WB (Western Blot)
Western blot analysis of PIWI-L2 in HepG2 cell lysate with PIWI-L1 antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PIWIL2 antibody

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-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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24431985
NCBI GeneID	55124
NCBI Accession #	NP_00129193
NCBI GenBank Nucleotide #	NM_018068.3
UniProt Accession #	Q8TC59; Q96SW6; Q9NW28; A8K4S3; A8K8S5; B0AZN9; B0AZP2; B4DR22; E7ECA4
Molecular Weight	105,760 Da
NCBI Official Full Name	piwi-like protein 2
NCBI Official Synonym Full Names	piwi-like RNA-mediated gene silencing 2
NCBI Official Symbol	PIWIL2

NCBI Official Synonym Symbols	CT80; HILI; mili; PIWIL1L
NCBI Protein Information	piwi-like protein 2; Miwi like; piwi-like 2; piwil2-like protein; cancer/testis antigen 80; 80kDa PIWIL2 short isoform
UniProt Protein Name	Piwi-like protein 2
UniProt Gene Name	PIWIL2
UniProt Synonym Gene Names	HILI; CT80
UniProt Entry Name	PIWL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/piwi-l2-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39590>