

Rabbit Piwil2 Polyclonal Antibody | anti-Piwil2 antibody

Anti-Piwil2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254274	Rabbit	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

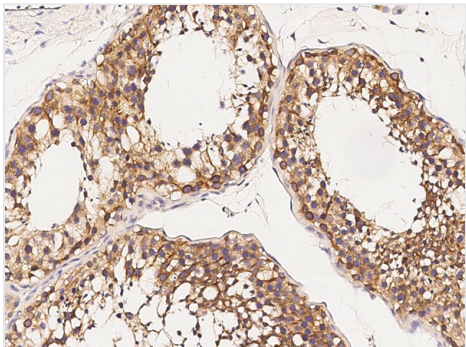
PRODUCT SYNONYMS

Piwil2; Polyclonal Antibody; Anti-Piwil2 Antibody; Rabbit Polyclonal; Piwil2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-CT80 Antibody; Anti-HILI Antibody; Anti-mili Antibody; Anti-PIWIL1L Antibody; anti-Piwil2 antibody

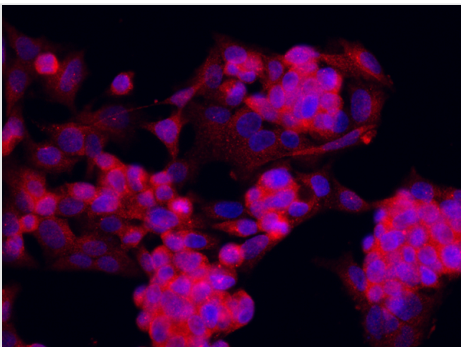
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Piwil2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-Piwil2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human Piwil2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human Piwil2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical staining of human PIWIL2 in human testis with rabbit polyclonal antibody (1:500, formalin-fixed paraffin embedded sections).



IF (Immunofluorescence)
Immunofluorescence staining of LILRB4 in HepG2 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human LILRB4 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

ADDITIONAL INFORMATION

Related Product Information for anti-Piwi2 antibody	PIWIL2, a member of PIWI/AGO gene family, is expressed in the germline stem cells (GSCs) of testis for gametogenesis but not in adult somatic and stem cells. It has been implicated to play an important role in tumor development. The piwi-like 2 (piwil2) gene is widely expressed in tumors and protects cells from apoptosis induced by a variety of stress stimuli. Piwil2 (mili in mouse or hili in humans), a member of the PIWI/Argonaute gene family, plays important roles in stem cell self-renewal, RNA silencing, and translational regulation in various organisms. Piwil2 was found in germ cells of adult testis, suggesting that this gene functions in spermatogonial stem cell self-renewal.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74730558
NCBI GeneID	55124
UniProt Accession #	Q8TC59; Q96SW6; Q9NW28; A8K4S3; A8K8S5; B0AZN9; B0AZP2; B4DR22; E7ECA4
Molecular Weight	973
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.