



## Goat anti-PIWI / HIWI Antibody

<b>Item Number</b>	dAP-1137
<b>Target Molecule</b>	Principle Name: PIWI / HIWI; Official Symbol: PIWIL1; All Names and Symbols: PIWIL1; HIWI; PIWI; piwi-like 1 (Drosophila); piwi (Drosophila)-like 1; homolog of Drosophila piwi; MIWI; piwi homolog; piwi-like 1; Accession Number (s): NP_004755.2; NP_001177900.1; Human Gene ID(s): 9271; Non-Human GeneID (s): 57749 (mouse)
<b>Immunogen</b>	SNRKDKYDAIKKY, is from internal region This antibody is expected to recognise both reported isoforms (NP_004755.2; NP_001177900.1).
<b>Applications</b>	Pep ELISA, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	Western Blot: Preliminary experiments showed a 100kDa band but also bands at approx 35kDa and 26-28kDa in Human Ovary, Placenta, Prostate and Testis lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Testis shows textured cytoplasm staining in all germ cells. Recommended concentration, 4-6µg/ml.
<b>Reference</b>	Reference(s): Szakmary A, Cox DN, Wang Z, Lin H. Regulatory Relationship among piwi, pumilio, and bag-of-marbles in Drosophila Germline Stem Cell Self-Renewal and Differentiation. Curr Biol. 2005 Jan 26;15(2):171-8. .PMID: 15668175 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**