

Human Piwi-like protein 2 ELISA Kit | PIWIL2 elisa kit

Human Piwi-like protein 2 (PIWIL2) ELISA Kit

CATALOG #
AAA55346

REACTIVITY
Human

PRODUCT SYNONYMS

Piwi-like protein 2; Human Piwi-like protein 2 (PIWIL2) ELISA Kit; PIWIL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PIWIL2. No significant cross-reactivity or interference between Human PIWIL2 and analogues was observed.
Sequence Length	973
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	62.5 pg/mL - 4000 pg/mL
Sensitivity	31.25 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PIWIL2 elisa kit

Intended Uses: For the quantitative detection of Human Piwi-like protein 2 (PIWIL2) concentration in serum, plasma, tissue homogenates and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PIWIL2 in Human serum, plasma, tissue homogenates. An antibody specific for PIWIL2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PIWIL2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PIWIL2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PIWIL2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	209180418
NCBI GeneID	55124
NCBI Accession #	NP_001129193.1
NCBI GenBank Nucleotide #	NM_001135721.2

UniProt Accession #	Q8TC59 ; Q96SW6 ; Q9NW28 ; A8K4S3 ; A8K8S5 ; B0AZN9 ; B0AZP2 ; B4DR22 ; E7ECA4
Molecular Weight	105,760 Da
NCBI Official Full Name	piwi-like protein 2 isoform 1
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
UniProt Protein Name	Piwi-like protein 2
UniProt Gene Name	PIWIL2
UniProt Synonym Gene Names	HILI; CT80

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://www.aaabiotech.com/piwil2-human-elisa-kits/piwi-like-protein-2/55346>