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Datasheet for ABIN7126210
anti-TDRKH antibody

Overview

Quantity:	100 µg
Target:	TDRKH
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TDRKH antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant full-length human TDRKH protein
Isotype:	IgG2b
Specificity:	Participates in the primary piRNA biogenesis pathway and is required during spermatogenesis to repress transposable elements and prevent their mobilization, which is essential for the germline integrity. The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Required for the final steps of primary piRNA biogenesis by participating in the processing of 31-37 nt intermediates into mature piRNAs. May act in pi-bodies and piP-bodies by transferring piRNA precursors or intermediates to or between these granules.
Cross-Reactivity (Details):	Human. Predicted to react with Mouse and Rat.

Product Details

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: TDRKH

Alternative Name: TDRKH ([TDRKH Products](#))

Background: 2700091C21Rik, Putative RNA binding protein, RGD1311196, RP11-98D18.8, TDRD2, TDRD7, Tdrkh, Tudor and KH domain containing, Tudor and KH domain-containing protein, tudor domain containing 2,TDRKH

Cellular localisation: Cytoplasm. Localized to cytosol and centrosome.

Molecular Weight: 62.05kDa

Gene ID: 11022, 144439

UniProt: [Q9Y2W6](#)

Application Details

Application Notes: Known_Application: Immunoprecipitation (1-2 µg per 100-500 µg of total protein), Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Positive_Control: HeLa or MCF7 cells. Human testis or brain.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C,-80 °C

Storage Comment: Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months