Datasheet for ABIN7504177

anti-TDRKH antibody

5 Images

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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:	200ug/ml of Ab purified from Bioreactor Concentrate 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:	Positive Control: HeLa or MCF7 cells. Human testis or brain. 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 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

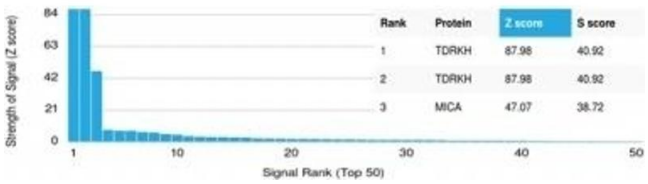
Handling

Concentration:	200 µg/mL
Buffer:	Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also

Handling

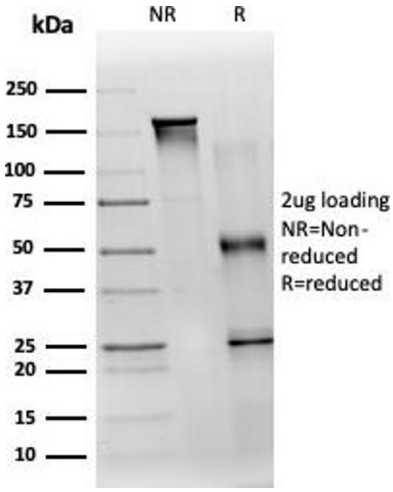
	available WITHOUT BSA & azide at 1.0mg/ml.
Expiry Date:	24 months

Images



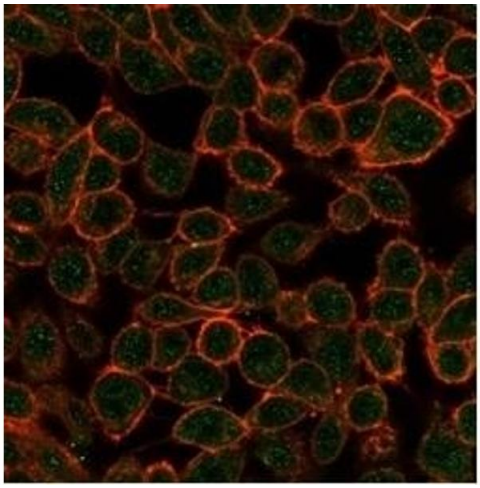
Protein Array

Image 1. Analysis of Protein Array containing more than 19,000 full-length human proteins using TDRKH Mouse Monoclonal Antibody (PCRP-TDRKH-1H2). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blotting

Image 2. SDS-PAGE Analysis Purified TDRKH Mouse Monoclonal Antibody (PCRP-TDRKH-1H2). Confirmation of Purity and Integrity of Antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of PFA-fixed HeLa cells. TDRKH Mouse Monoclonal Antibody (PCRP-TDRKH-1H2) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).

Please check the product details page for more images. Overall 5 images are available for ABIN7504177.