TDRKH Antibody

Mouse Monoclonal Antibody [Clone PCRP-TDRKH-1H2]

Catalog No	Format	Size
11022-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
11022-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
11022-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

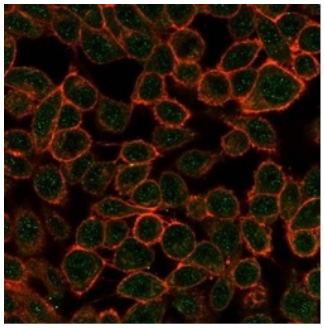
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

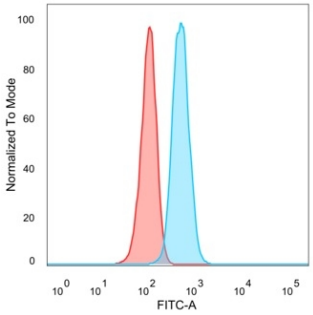
Clone	PCRP-TDRKH-1H2
Gene Name	TDRKH
Immunogen	Recombinant full-length human TDRKH protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	62.05kDa
Cellular Localization	Cytoplasm, Mitochondrion
Species Reactivity	Human
Positive Control	HeLa or MCF7 cells. Human testis or brain.

**Optimal dilution for a specific application should be determined.*

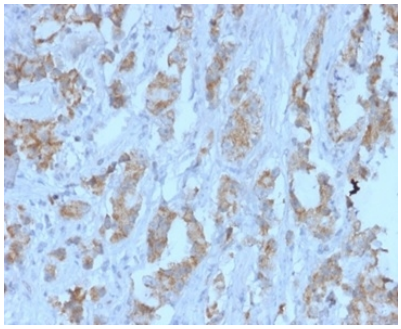
Product Images for TDRKH Antibody



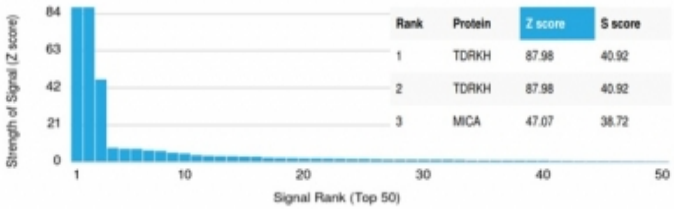
Immunofluorescence analysis of PFA-fixed HeLa cells. TDRKH Mouse Monoclonal Antibody (PCRP-TDRKH-1H2) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



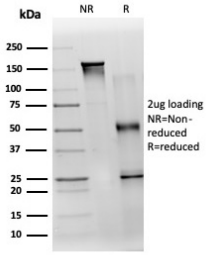
Flow cytometric analysis of PFA-fixed HeLa cells. TDRKH Mouse Monoclonal Antibody (PCRP-TDRKH-1H2) followed by goat anti-mouse IgG-CF488 (blue), unstained cells (red).



Formalin-fixed, paraffin-embedded human ovarian carcinoma stained. TDRKH Mouse Monoclonal Antibody (PCRP-TDRKH-1H2) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing TDRKH-Monospecific 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.



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

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.