



PTPIP51 mouse mAb

Catalog No	YP-mAb-17992
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	FAM82A2 FAM82C PTPIP51 hucep-10 UNQ3122/PRO10274
Immunogen	Synthesized peptide derived from human PTPIP51
Specificity	This antibody detects endogenous levels of PTPIP51 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FAM82A2;FAM82C;hRMD 3;hRMD-3;hucep-10;RMDN3;FAM82A2 FAM82C PTPIP51 hucep-10 UNQ3122/PRO10274;Regulator of microtubule dynamics protein 3 (RMD-3) (hRMD-3) (Cerebral protein 10) (Protein FAM82A2) (Protein FAM82C) (Protein tyrosine phosphatase-interacting protein 51) (TCPTP-interacting protein 5
Observed Band	52-60 kDa
Calculated Molecular Weight	470 aa, 52 kDa
Cell Pathway	Mitochondrion outer membrane ; Single-pass membrane protein . Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, spindle . Cytoplasm, cytoskeleton, spindle pole . In interphase localizes in the cytoplasm, and during mitosis localizes to the spindle microtubules and spindle poles. .
Tissue Specificity	Present at high level in epidermis and seminiferous epithelium: while basal cells in the epidermis and spermatogonia show no perceptible amount, keratinocytes of suprabasal layers and differentiating first-order spermatocytes up to spermatids exhibit high expression. In skeletal muscle, its presence is restricted to fibers of the fast twitch type. In surface epithelia containing ciliated cells, it is associated with the microtubular structures responsible for ciliary movement. Also present in specific structures of the central nervous system such as neurons of the hippocampal region, ganglion cells of the autonomic nervous



system, and axons of the peripheral nervous system (at protein level). Widely expressed.

Function

Involved in cellular calcium homeostasis regulation. May participate in differentiation and apoptosis of keratinocytes. Overexpression induces apoptosis.

Background**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images