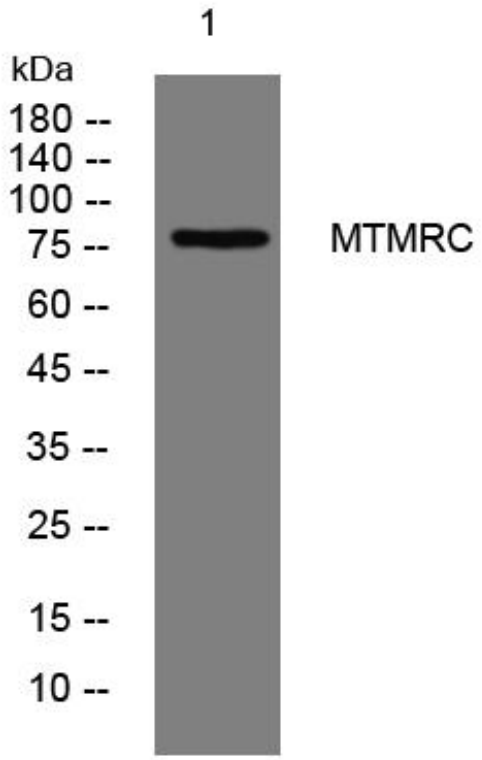
MTMRC mouse mAb

Catalog No	BYmab-12399
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	MTMR12 KIAA1682 PIP3AP
Protein Name	MTMRC
Immunogen	Synthesized peptide derived from human MTMRC AA range: 523-573
Specificity	This antibody detects endogenous levels of MTMRC 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Cytoplasm . Sarcoplasmic reticulum . Cytoplasm, myofibril, sarcomere . Localizes to punctate vesicles when associated with MTM1 (PubMed:12847286). Localizes to triads, a structure formed by a T tubule and two sarcoplasmic reticulum terminal cisterna (By similarity). In skeletal muscles, co-localizes with MTM1 in the sarcomere (By similarity). Partially localizes to the sarcoplasmic reticulum in skeletal muscles (By similarity). .
Tissue Specificity	Expressed in skeletal muscles (at protein level) (PubMed:23818870). Ubiquitous with prominent expression in brain, heart, kidney, placenta, and lung (PubMed:11504939).
Function	caution:Lacks the phosphocysteine intermediate Cys active site in position 391 that is replaced by a Glu residue, preventing the hydrolase activity.,function:Inactive phosphatase that plays a role as an adapter for the phosphatase myotubularin to regulate myotubularin intracellular location.,miscellaneous:Catalytically inactive phosphatase.,similarity:Belongs to the protein-tyrosine phosphatase family. Non-receptor class myotubularin

	subfamily.,similarity:Contains 1 myotubularin phosphatase domain.,subcellular location:Localizes to punctate vesicles when associated with MTM1.,subunit:Interacts with myotubularin MTM1 and myotubularin-related MTMR2.,tissue specificity:Ubiquitous with prominent expression in brain, heart, kidney, placenta, and lung.,
Background	Phosphatidylinositide 3-kinase-derived membrane-anchored phosphatidylinositides, such as phosphatidylinositol 3-phosphate (PtdIns(3)P), regulate diverse cellular processes. The protein encoded by this gene functions as an adaptor subunit in a complex with an active PtdIns(3)P 3-phosphatase. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014],
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



Western Blot analysis of various cells using MTMRC mouse mAb