

À des fins de recherche uniquement

# Anticorps Monoclonal anti-MTMR14



Numéro de catalogue: 67561-1-Ig **2 Publications**

## Informations de base

Numéro de catalogue: 67561-1-Ig	Numéro d'acquisition GenBank: BC050626	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1800 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 64419 Nom complet: myotubularin related protein 14	CloneNo.: 1A8B2 Dilutions recommandées: WB 1:1000-1:6000 IHC 1:500-1:2000 IF 1:200-1:800
Hôte: Mouse	MW calculé: 72 kDa	
Isotype: IgG2b	MW observés: 74 kDa	
Immunogen Catalog Number: AG6883		

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

IF, WB

### Spécificité de l'espèce:

Humain, rat, souris

### Espèces citées:

Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules NIH/3T3, cellules RAW 264.7

IHC : tissu cardiaque de souris, tissu de muscle squelettique de souris

IF : tissu cardiaque de souris,

## Informations générales

MTMR14, also known as Jumpy, belongs to the MTM1/MTMRs family which has 15 members that divided into two subgroup: catalytically inactive and active. MTMR14 is a catalytically active member possessing an active phosphatase domain, that specifically dephosphorylates PI3P and phosphatidylinositol (3,5)-bisphosphate (PI3,5P2) at position 3 on inositol ring. A remarkable feature of the MTM1/MTMRs family is the association between a catalytically inactive member and a catalytically active member, which plays an important regulatory role. MTMR14 has 3 isoforms with molecular weight of 60-72 kDa, and also can be detected as a higher molecular weight due to the heterodimerization with other MTMR members.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Ling-Yao Kong	36314496	J Am Heart Assoc	IF
Yiya Gu	35035670	Oxid Med Cell Longev	WB

## Stockage

### Stockage:

Stocker à -20 °C.

### Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

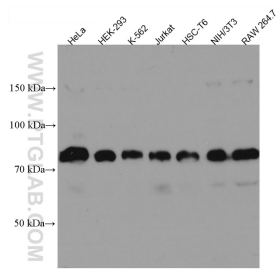
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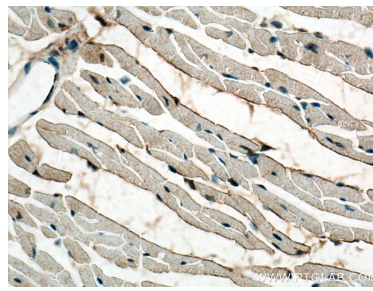
E: proteintech@ptglab.com  
W: ptglab.com

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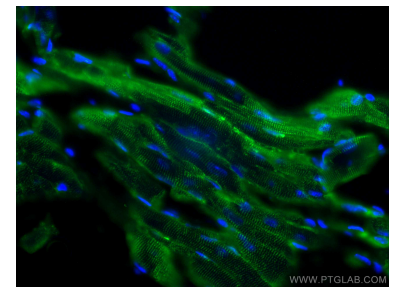
## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 67561-1-Ig (MTMR14 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 67561-1-Ig (MTMR14 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using MTMR14 antibody (67561-1-Ig, Clone: 1A8B2) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).