

## Product datasheet for **AP13507PU-N**

### MTMR4 (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/1,000. Immunohistochemistry: 1/10 - 1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1155-1187 amino selected from the C-terminal region of human MTMR4.
Specificity:	This antibody reacts to MTMR4.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	myotubularin related protein 4
Database Link:	<a href="#">Entrez Gene 9110 Human</a> <a href="#">Q9NYA4</a>



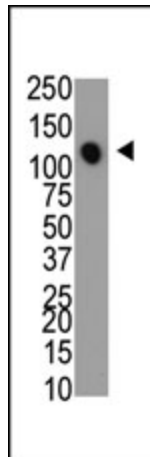
[View online »](#)

**Background:**

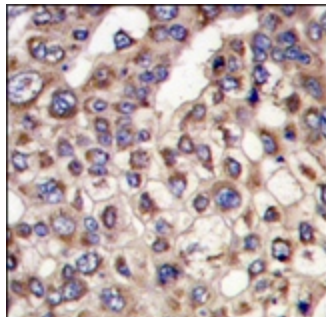
MTMR, a member of the myotubularin family, encodes an intracellular protein of 1,195 amino acids, and shares approximately 47% sequence identity with MTMR3, spiking to over 70% identity in the catalytic domain and the double zinc finger (FYVE) motif. PCR analysis detects expression of MTMR4 in all human tissues examined except lung, small intestine, stomach, salivary gland, adrenal gland, and uterus. Subcellular localization of MTMR4 in transfected HeLa cells showed a perinuclear distribution, similar to that seen with MTMR3. MTMR4 dephosphorylates para-nitrophenylphosphate and phosphatidylinositol 3-phosphate.

**Synonyms:**

Myotubularin-related protein 4, KIAA0647, ZFYVE11

**Product images:**

The anti-MTMR4 Pab is used in Western blot to detect MTMR4 in mouse heart cell lysate.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with MTMR4 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.