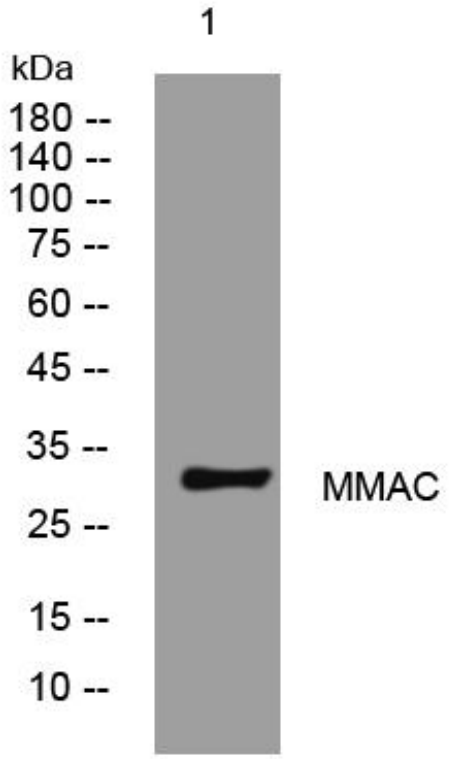
MMAC mouse mAb

Catalog No	YP-mAb-08490
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	MMACHC
Protein Name	MMAC
Immunogen	Synthesized peptide derived from human MMAC AA range: 100-150
Specificity	This antibody detects endogenous levels of MMAC at Human/Mouse
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	
Observed Band	
Cell Pathway	Cytoplasm, cytosol .
Tissue Specificity	Widely expressed. Expressed at higher level in fetal liver. Also expressed in spleen, lymph node, thymus and bone marrow. Weakly or not expressed in peripheral blood leukocytes.
Function	disease:Defects in MMACHC are the cause of methylmalonic aciduria and homocystinuria type cblC (MMACHC) [MIM:277400]. MMACHC is a disorder of cobalamin metabolism characterized by decreased levels of the coenzymes adenosylcobalamin (AdoCbl) and methylcobalamin (MeCbl). Affected individuals may have developmental, hematologic, neurologic, metabolic, ophthalmologic, and dermatologic clinical findings. Although considered a disease of infancy or childhood, some individuals develop symptoms in adulthood.,function:May be involved in the binding and intracellular trafficking of cobalamin (vitamin B12).,pathway:Cofactor biosynthesis; adenosylcobalamin biosynthesis.,similarity:Belongs to the MMACHC family.,tissue specificity:Widely expressed. Expressed at higher level in fetal liver. Also expressed in spleen, lymph node, thymus and bone marrow. Weakly or not expressed in peripheral blood leukocy

Background	The exact function of the protein encoded by this gene is not known, however, its C-terminal region shows similarity to TonB, a bacterial protein involved in energy transduction for cobalamin (vitamin B12) uptake. Hence, it is postulated that this protein may have a role in the binding and intracellular trafficking of cobalamin. Mutations in this gene are associated with methylmalonic aciduria and homocystinuria type cblC. [provided by RefSeq, Oct 2009],
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 MMAC mouse mAb