For Research Use Only

MMAB Polyclonal antibody

Catalog Number:11137-1-AP 4 Publications

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Basic Information

Catalog Number:
11137-1-AP

Size:
150ul , Concentration: 850 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1602

GenBank Accession Number:
BC011831

GeneID (NCBI):
326625

UNIPROT ID:
Q96EY8

Full Name:
methylmalonic aciduria (cobalamin deficiency) cblB type

Calculated MW:
27 kDa

Observed MW:
27 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IP, IF, IHC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, BxPC-3 cells, HepG2 cells, L02 cells

IP : HeLa cells,

IHC : human ovary tumor tissue,

IF/ICC : HeLa cells,

Background Information

The MMAB gene encodes cob(I)alamin adenosyltransferase, which catalyzes the final step in the synthesis of the coenzyme adenosylcobalamin (AdoCbl). AdoCbl is a vitamin B12-containing coenzyme for methylmalonyl-CoA mutase. The deduced 250-amino acid protein has a calculated molecular mass of 27.3 kD.

Notable Publications

Author	Pubmed ID	Journal	Application
Jorge-Finnigan Ana A	20556797	Hum Mutat	WB
Á Briso-Montiano	35569737	Biochim Biophys Acta Mol Basis Dis	WB,IF
S Brasil	29197662	Biochim Biophys Acta	WB

Storage

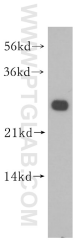
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

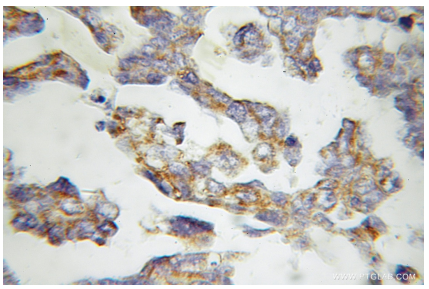
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

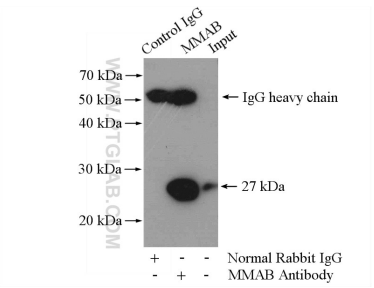
Selected Validation Data



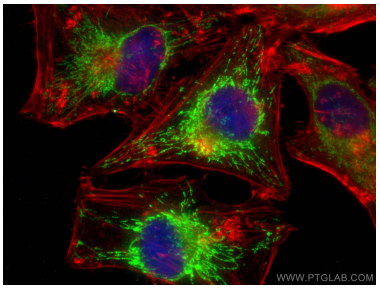
HeLa cells were subjected to SDS PAGE followed by western blot with 11137-1-AP (MMAB antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 11137-1-AP (MMAB antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-MMAB (IP:11137-1-AP, 4ug; Detection:11137-1-AP 1:500) with HeLa cells lysate 1200ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MMAB antibody (11137-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).