

For Research Use Only

MAT2A Polyclonal antibody

Catalog Number: 55309-1-AP

Featured Product

12 Publications



Basic Information

| | | |
|--------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog Number: 55309-1-AP | GenBank Accession Number: NM_005911 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 800 µg/ml by Nanodrop; | GeneID (NCBI): 4144 | Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:50-1:500 |
| Source: Rabbit | Full Name: methionine adenosyltransferase II, alpha | |
| Isotype: IgG | Calculated MW: 44 kDa | |
| | Observed MW: 40-45 kDa | |

Applications

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Tested Applications: IF, IHC, IP, WB, ELISA | Positive Controls: |
| Cited Applications: IF, IHC, WB | WB: HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells, SGC-7901 cells, NIH/3T3 cells |
| Species Specificity: human, mouse | IP: HepG2 cells, |
| Cited Species: human, rat, mouse, pig | IHC: human stomach cancer tissue, |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IF: HeLa cells, |

Background Information

MAT2A, also named as AMS2, MATA2 and AdoMet synthase 2, belongs to the AdoMet synthase family. It catalyzes the formation of S-adenosylmethionine from methionine and ATP. This antibody is specific to MATA2.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|----------------------|-------------|
| Menghui Xu | 36290677 | Antioxidants (Basel) | WB |
| Chelsea Hepler | 36264811 | Science | WB |
| Li Chen | 33948996 | FASEB J | WB |

Storage

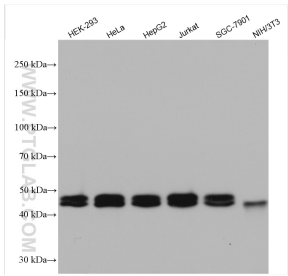
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

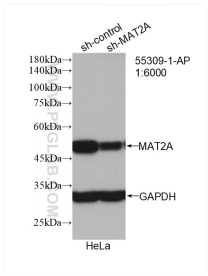
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

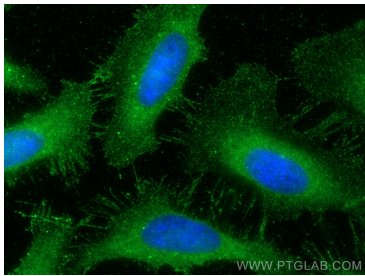
Selected Validation Data



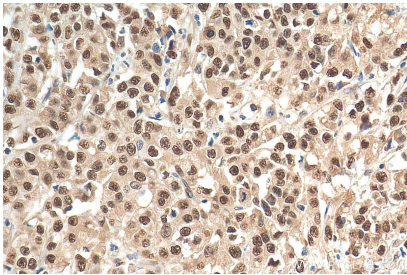
Various lysates were subjected to SDS PAGE followed by western blot with 55309-1-AP (MAT2A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



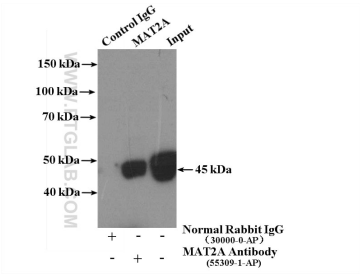
WB result of MAT2A antibody (55309-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-control and sh-MAT2A transfected HeLa cells.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using MAT2A antibody (55309-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 55309-1-AP (MAT2A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-MAT2A (IP:55309-1-AP, 4ug; Detection:55309-1-AP 1:500) with HepG2 cells lysate 3200ug.