

# Product Datasheet

## **MAT2A Antibody (3A2) - BSA Free** **NBP1-28605**

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 2

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**NBP1-28605**

MAT2A Antibody (3A2) - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3A2
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4), 10% Glycerol
<b>Target Molecular Weight</b>	44 kDa

**Product Description**

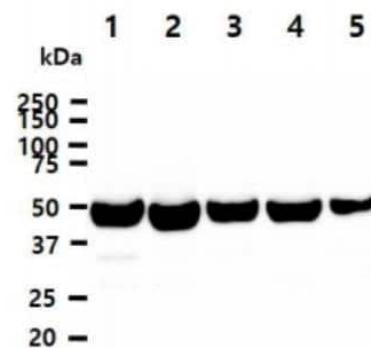
<b>Description</b>	Novus Biologicals Mouse MAT2A Antibody (3A2) - BSA Free (NBP1-28605) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-MAT2A Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	4144
<b>Gene Symbol</b>	MAT2A
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant human MAT2A (1-395aa) purified from E. coli (NP_005902).

**Product Application Details**

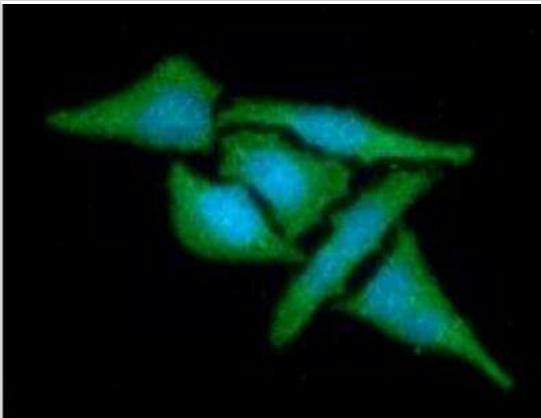
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:2000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry- Paraffin 1:50

## Images

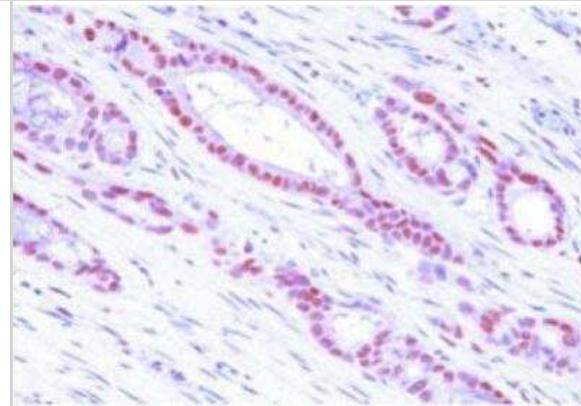
Western Blot: MAT2A Antibody (3A2) [NBP1-28605] - The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MAT2A antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate Lane 2. : Ramos cell lysate Lane 3. : 293T cell lysate Lane 4. : Jurkat cell lysate Lane 5. : NIH-3T3 cell lysate



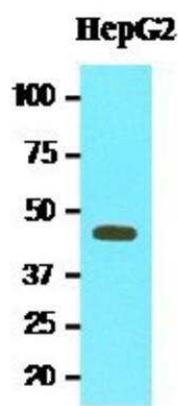
Immunocytochemistry/Immunofluorescence: MAT2A Antibody (3A2) [NBP1-28605] - Analysis of MAT2A in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human MAT2A antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



Immunohistochemistry-Paraffin: MAT2A Antibody (3A2) [NBP1-28605] - Human MAT2A (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).



Western Blot: MAT2A Antibody (3A2) [NBP1-28605] - Cell lysates of HepG2 (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human MAT2A (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



## Publications

Phuong NT, Kim SK, Im JH et al. Induction of methionine adenosyltransferase 2A in tamoxifen-resistant breast cancer cells. *Oncotarget* 2016-03-22 [PMID: 26418898] (WB)

Rho JH, Lampe PD. High-throughput screening for native autoantigen-autoantibody complexes using antibody microarrays *J Proteome Res.* 2013-05-03 [PMID: 23541305] (Human)

### Details:

A novel method using antibody microarrays is used to detect autoantibody-antigen complexes that can potentially be useful for detection and characterization of diseases.





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## Products Related to NBP1-28605

NBP1-42569	HepG2 Whole Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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