

Product Datasheet

ATIC Antibody (OTI1D2) NBP2-01941

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-01941

ATIC Antibody (OTI1D2)

Product Information	
Unit Size	0.1 ml
Concentration	0.71 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1D2
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	64.4 kDa

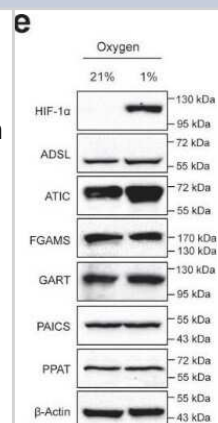
Product Description	
Host	Mouse
Gene ID	471
Gene Symbol	ATIC
Species	Human, Mouse, Rat, Canine, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Immunogen	Full length human recombinant protein of human ATIC(NP_004035) produced in HEK293T cell.

Product Application Details	
Applications	Western Blot, Flow Cytometry
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100

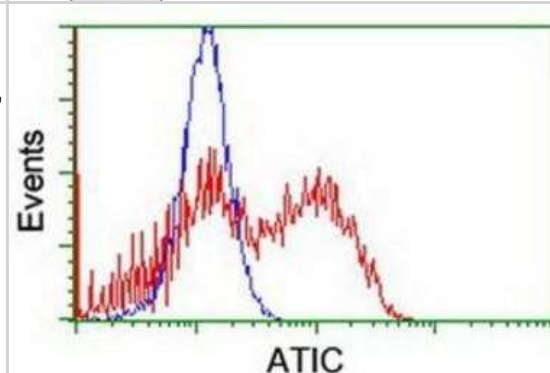


Images

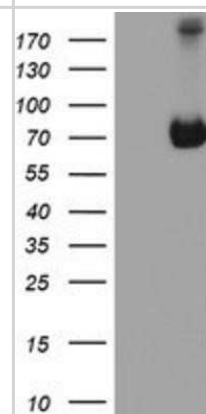
Western Blot: ATIC Antibody (OTI1D2) [NBP2-01941] - Blot showing the effect of hypoxia on the protein expression levels of the purine biosynthetic enzymes. HIF-1 alpha is stabilized in hypoxia as expected, and no significant increase in the purine enzymes was detected between normoxic (21% oxygen) and hypoxic (1% oxygen) growth conditions. The positions of molecular markers surrounding each band of interest are shown for each blot. ADSL (NBP2-03107), ATIC (NBP2-01941), FGAMS (NBP1-84691), GART (H00002618-M01), HIF-1a (NB100-449), PAICS (NBP2-02817), PPAT (NBP2-02056). Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/32439803/](https://pubmed.ncbi.nlm.nih.gov/32439803/)) licensed under a CC-BY license.



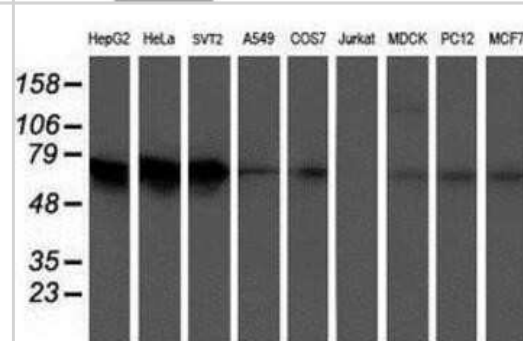
Flow Cytometry: ATIC Antibody (OTI1D2) [NBP2-01941] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ATIC antibody, and then analyzed by flow cytometry.



Western Blot: ATIC Antibody (OTI1D2) [NBP2-01941] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ATIC (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ATIC.



Western Blot: ATIC Antibody (OTI1D2) [NBP2-01941] - Analysis of extracts (35ug) from 9 different cell lines by using anti-ATIC monoclonal antibody.



Publications

Doigneaux C, Pedley AM, Mistry IN et al. Hypoxia Drives the Assembly of the Multi-Enzyme Purinosome Complex J. Biol. Chem. 2020-05-21 [PMID: 32439803]



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Products Related to NBP2-01941

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00000471-P01-10ug	Recombinant Human ATIC GST (N-Term) Protein

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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