

Product Datasheet

Adenylosuccinate Lyase Antibody (OTI2D10) NBP2-03107

Unit Size: 0.1 ml

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

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NBP2-03107**Adenylosuccinate Lyase Antibody (OTI2D10)**

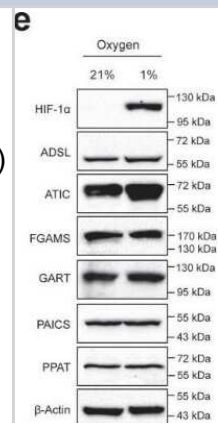
Product Information	
Unit Size	0.1 ml
Concentration	0.55 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI2D10
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	54.7 kDa

Product Description	
Description	Novus Biologicals Mouse Adenylosuccinate Lyase Antibody (OTI2D10) (NBP2-03107) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-Adenylosuccinate Lyase Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	158
Gene Symbol	ADSL
Species	Human, Mouse, Rat, Canine, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human ADSL (NP_000017) produced in HEK293T cell.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence Reported in scientific publication (PMID: 32439803), Immunohistochemistry-Paraffin 1:150

Images

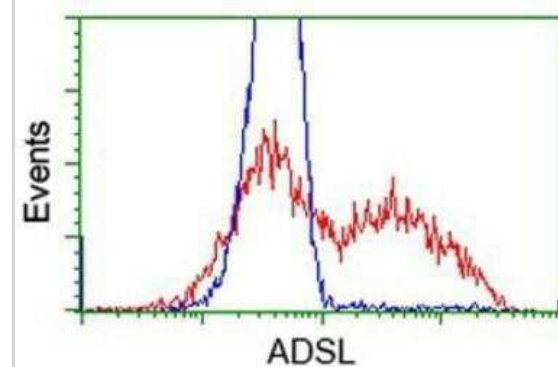
Western Blot: Adenylosuccinate Lyase Antibody (OTI2D10) [NBP2-03107] - Blot showing the effect of hypoxia on the protein expression levels of the purine biosynthetic enzymes. HIF-1 alpha is stabilized in hypoxia as expected, and no significant increase in the purine enzymes was detected between normoxic (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.



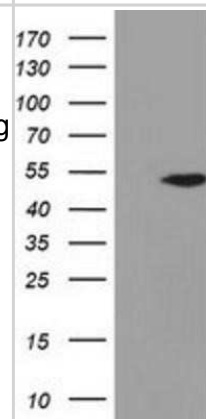
Immunohistochemistry-Paraffin: Adenylosuccinate Lyase Antibody (OTI2D10) [NBP2-03107] - Staining of paraffin-embedded Human lymphoma tissue using anti-Adenylosuccinate Lyase mouse monoclonal antibody.



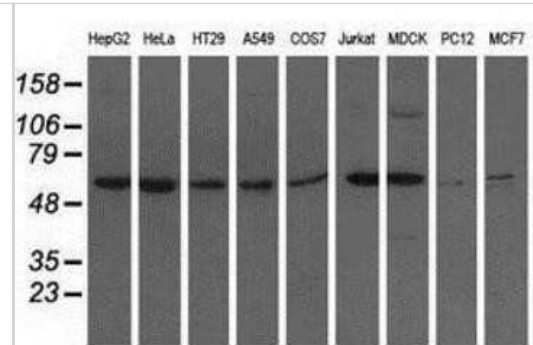
Flow Cytometry: Adenylosuccinate Lyase Antibody (OTI2D10) [NBP2-03107] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-Adenylosuccinate Lyase antibody, and then analyzed by flow cytometry.



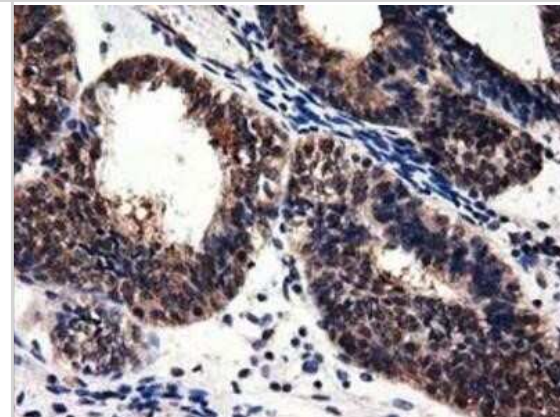
Western Blot: Adenylosuccinate Lyase Antibody (OTI2D10) [NBP2-03107] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Adenylosuccinate Lyase (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Adenylosuccinate Lyase.



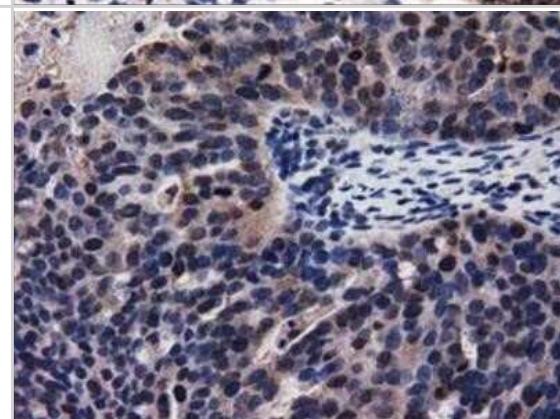
Western Blot: Adenylosuccinate Lyase Antibody (OTI2D10) [NBP2-03107] - Analysis of extracts (35ug) from 9 different cell lines by using anti-Adenylosuccinate Lyase monoclonal antibody.



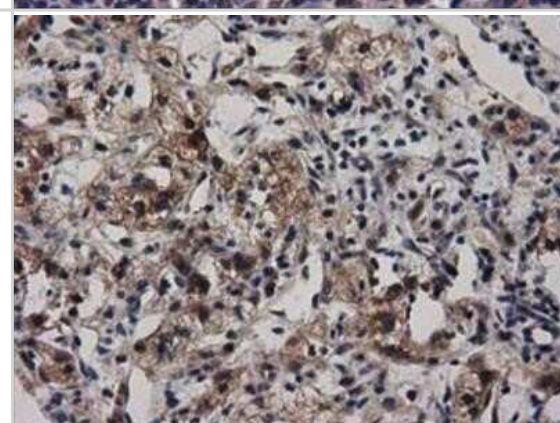
Immunohistochemistry-Paraffin: Adenylosuccinate Lyase Antibody (OTI2D10) [NBP2-03107] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-Adenylosuccinate Lyase mouse monoclonal antibody.



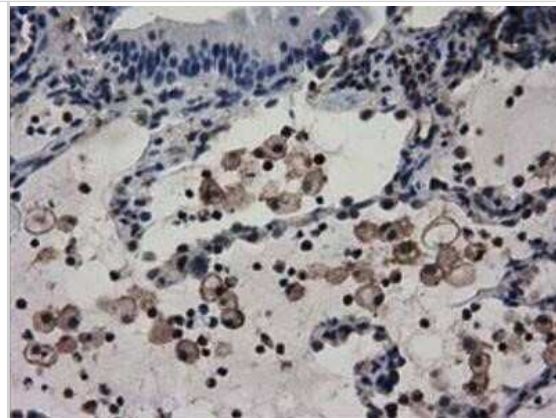
Immunohistochemistry-Paraffin: Adenylosuccinate Lyase Antibody (OTI2D10) [NBP2-03107] - Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-Adenylosuccinate Lyase mouse monoclonal antibody.



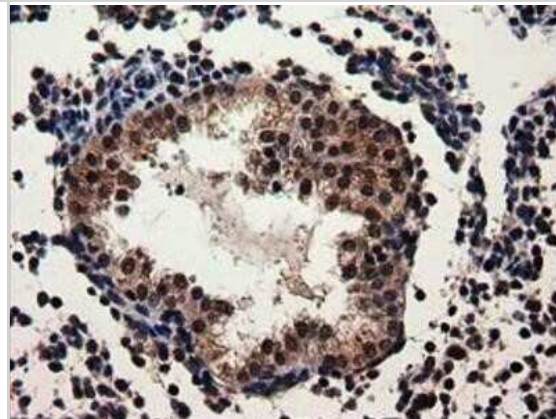
Immunohistochemistry-Paraffin: Adenylosuccinate Lyase Antibody (OTI2D10) [NBP2-03107] - Staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-Adenylosuccinate Lyase mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Adenylosuccinate Lyase Antibody (OT12D10) [NBP2-03107] - Staining of paraffin-embedded Carcinoma of Human lung tissue using anti-Adenylosuccinate Lyase mouse monoclonal antibody.



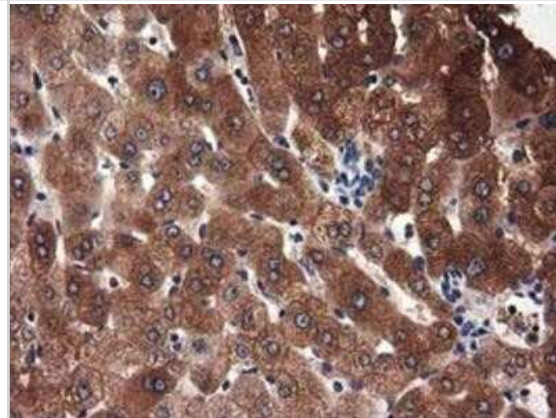
Immunohistochemistry-Paraffin: Adenylosuccinate Lyase Antibody (OT12D10) [NBP2-03107] - Staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-Adenylosuccinate Lyase mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Adenylosuccinate Lyase Antibody (OT12D10) [NBP2-03107] - Staining of paraffin-embedded Human Kidney tissue using anti-Adenylosuccinate Lyase mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Adenylosuccinate Lyase Antibody (OT12D10) [NBP2-03107] - Staining of paraffin-embedded Human liver tissue using anti-Adenylosuccinate Lyase mouse monoclonal antibody.



Adenylosuccinate Lyase Antibody (OT12D10)[NBP2-03107] Simple Western analysis of endogenous protein RNH1 from HELA lysates (0.5 mg/mL) using RNH1 Mouse Monoclonal Antibody . The virtual lane view (left) shows the target (as indicated) at 1:50 dilution of primary antibody. The corresponding electropherogram view (right) plots chemiluminescence by molecular weight along the capillary at a 1:50 dilution of primary antibody. This experiment was performed under reducing conditions on the Jess Simple Western instrument from ProteinSimple, a Bio-Techne brand, using the 12-230 kDa Separation Module.



Publications

Chou MC, Wang YH, Chen FY et al. PAICS ubiquitination recruits UBAP2 to trigger phase separation for purinosome assembly Molecular cell 2023-10-10 [PMID: 37848033] (ICC/IF, Human)

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] (ICC/IF, Human)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-03107

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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