

Product Datasheet

ADE2 Antibody (OTI1B4) NBP2-02817

Unit Size: 0.1 ml

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

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NBP2-02817

ADE2 Antibody (OTI1B4)

Product Information

Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1B4
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	46.9 kDa

Product Description

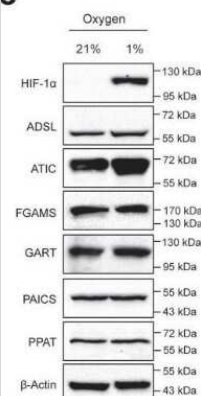
Host	Mouse
Gene ID	10606
Gene Symbol	PAICS
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these 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 PAICS (NP_006443) produced in HEK293T cell.

Product Application Details

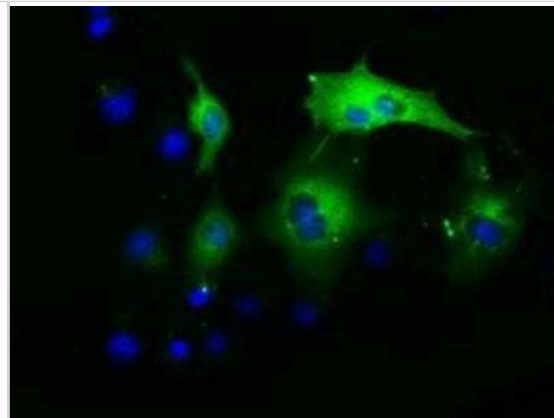
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:100, Immunocytochemistry/ Immunofluorescence 1:100

Images

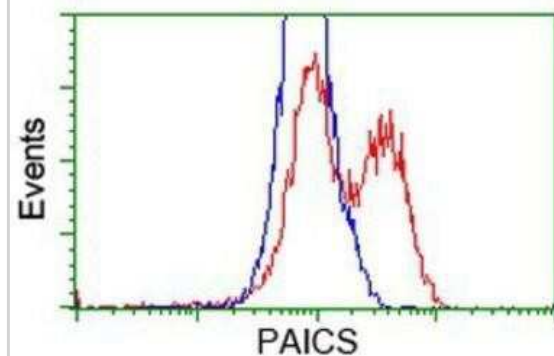
Western Blot: ADE2 Antibody (OTI1B4) [NBP2-02817] - Blot showing the effect of hypoxia on the protein expression levels of the purine biosynthetic enzymes. HIF-1 alpha is stabilized in hypoxia as expected, and no significant increase in the purine enzymes was detected between normoxic (21% oxygen) and 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 (<https://pubmed.ncbi.nlm.nih.gov/32439803/>) licensed under a CC-BY license.



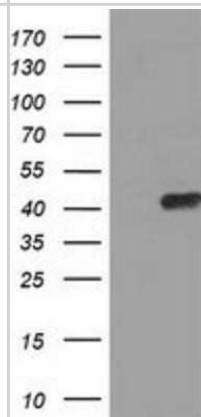
Immunocytochemistry/Immunofluorescence: ADE2 Antibody (OTI1B4) [NBP2-02817] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY ADE2.



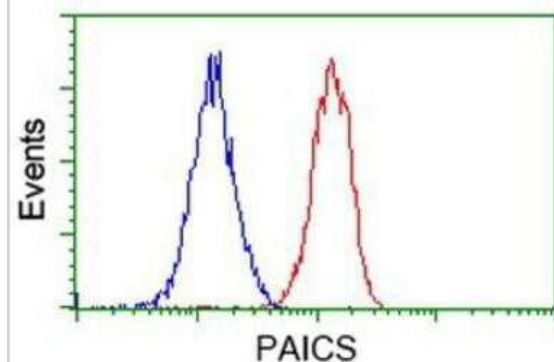
Flow Cytometry: ADE2 Antibody (OTI1B4) [NBP2-02817] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ADE2 antibody, and then analyzed by flow cytometry.



Western Blot: ADE2 Antibody (OTI1B4) [NBP2-02817] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ADE2 (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-ADE2.



Flow Cytometry: ADE2 Antibody (OTI1B4) [NBP2-02817] - Analysis of Jurkat cells, using anti-ADE2 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



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]

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01



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Products Related to NBP2-02817

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-51641-0.1mg	Recombinant Human ADE2 His 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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