

Product datasheet

Anti-PAICS antibody [OTI5B6] ab117931

3 Images

Overview

Product name	Anti-PAICS antibody [OTI5B6]
Description	Mouse monoclonal [OTI5B6] to PAICS
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human PAICS. Produced in HEK-293T cells (NP_006443). Database link: P22234
Positive control	WB: HEK-293T cell lysate transfected with pCMV6-ENTRY PAICS. ICC/IF: COS-7 cells transiently transfected by pCMV6-ENTRY PAICS. FC: HEK-293T cells transfected with overexpress plasmid.
General notes	Clone OTI5B6 (formerly 5B6).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA, 50% Glycerol
Purity	Affinity purified
Purification notes	Purified from cell culture supernatant by affinity chromatography
Clonality	Monoclonal
Clone number	OTI5B6
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab117931** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 47 kDa.
ICC/IF		1/100.
Flow Cyt		1/100.

Target

Pathway

Purine metabolism; IMP biosynthesis via de novo pathway; 5-amino-1-(5-phospho-D-ribose)imidazole-4-carboxamide from 5-amino-1-(5-phospho-D-ribose)imidazole-4-carboxylate: step 1/2.

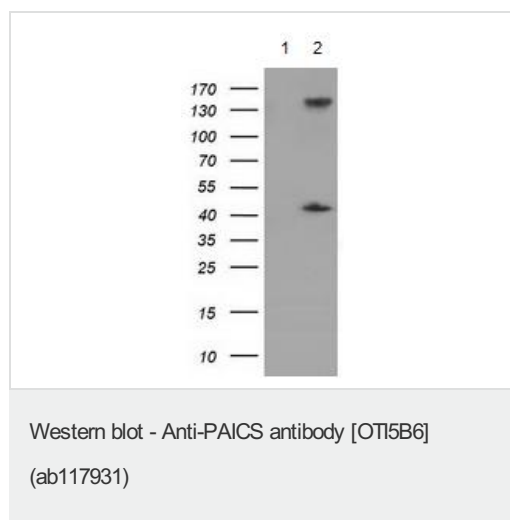
Purine metabolism; IMP biosynthesis via de novo pathway; 5-amino-1-(5-phospho-D-ribose)imidazole-4-carboxylate from 5-amino-1-(5-phospho-D-ribose)imidazole (carboxylase route): step 1/1.

Sequence similarities

In the N-terminal section; belongs to the SAICAR synthetase family.

In the C-terminal section; belongs to the AIR carboxylase family.

Images



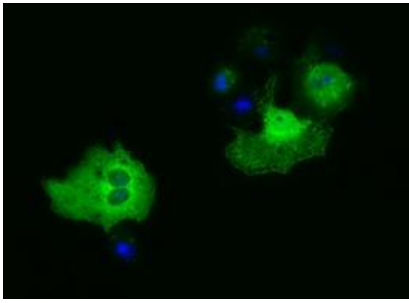
All lanes : Anti-PAICS antibody [OT15B6] (ab117931) at 1/2000 dilution

Lane 1 : HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate transfected with pCMV6-ENTRY control cDNA

Lane 2 : HEK-293T cell lysate transfected with pCMV6-ENTRY PAICS cDNA

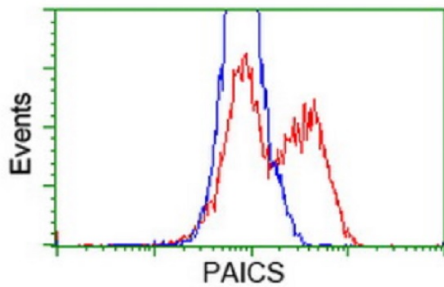
Lysates/proteins at 5 µg per lane.

Predicted band size: 47 kDa



Immunocytochemistry/ Immunofluorescence - Anti-PAICS antibody [OT15B6] (ab117931)

pCMV6-ENTRY PAICS cDNA transfected COS-7 (African green monkey kidney fibroblast-like cell line) cells stained for PAICS using ab117931 at a 1/100 dilution in ICC/IF.



Flow Cytometry - Anti-PAICS antibody [OT15B6] (ab117931)

HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by ab117931 and then analyzed by flow cytometry.

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