

KD-Validated Anti-PAICS Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI2077**Specification****KD-Validated Anti-PAICS Mouse Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	P22234
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2b
Calculated MW	Predicted, 47 kDa, observed, 43 kDa kDa
Gene Name	PAICS
Aliases	PAICS; Phosphoribosylaminoimidazole Carboxylase And Phosphoribosylaminoimidazolesuccinocarboxamide Synthase; ADE2H1; PAIS; Bifunctional Phosphoribosylaminoimidazole Carboxylase/Phosphoribosylaminoimidazole Succinocarboxamide Synthetase; Phosphoribosylaminoimidazole Carboxylase, Phosphoribosylaminoimidazole Succinocarboxamide Synthetase; ADE2; Phosphoribosylaminoimidazole Carboxylase; Phosphoribosylaminoimidazole succinocarboxamide Synthase; Multifunctional Protein ADE2H1; Multifunctional Protein ADE2; SAICAR Synthetase; AIR Carboxylase; PAICSD Recombinant protein of human PAICS
Immunogen	

KD-Validated Anti-PAICS Mouse Monoclonal Antibody - Additional Information

Gene ID	10606
Other Names	
Bifunctional phosphoribosylaminoimidazole carboxylase/phosphoribosylaminoimidazole succinocarboxamide synthetase, PAICS, Phosphoribosylaminoimidazole carboxylase, 4.1.1.21, AIR carboxylase, AIRC, Phosphoribosylaminoimidazole succinocarboxamide synthetase, 6.3.2.6, SAICAR synthetase, PAICS (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=8587) HGNC:8587	

KD-Validated Anti-PAICS Mouse Monoclonal Antibody - Protein Information**Name** PAICS ([HGNC:8587](#))**Function**

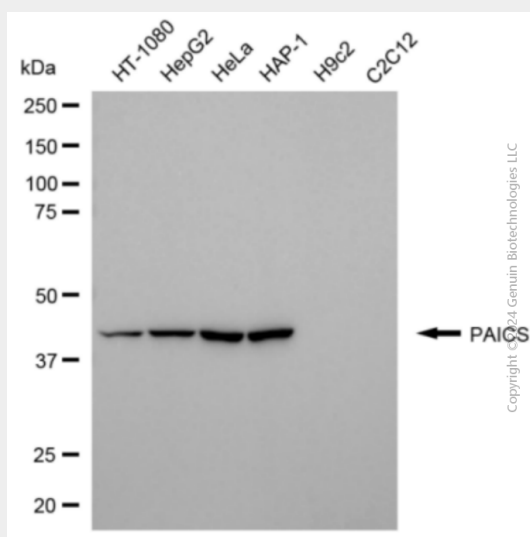
Bifunctional phosphoribosylaminoimidazole carboxylase and phosphoribosylaminoimidazole succinocarboxamide synthetase catalyzing two reactions of the de novo purine biosynthetic pathway.

KD-Validated Anti-PAICS Mouse Monoclonal Antibody - Protocols

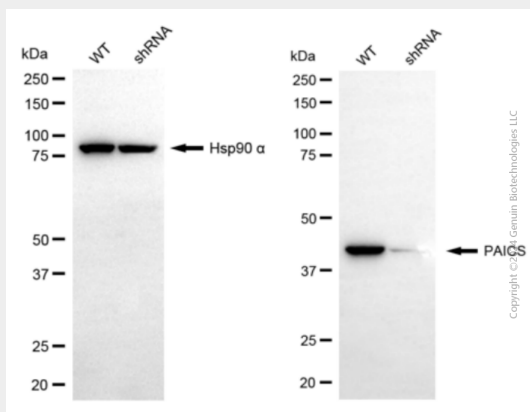
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-PAICS Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-PAICS antibody (Cat#AGI2077). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PAICS antibody (Cat#AGI2077, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-PAICS antibody (Cat#AGI2077). PAICS expression in wild-type (WT) and PAICS shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-PAICS antibody (Cat#AGI2077, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.