

Datasheet for ABIN953978
anti-PAICS antibody (N-Term)

4 Images

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Overview

Quantity:	0.4 mL
Target:	PAICS
Binding Specificity:	AA 94-123, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAICS antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 94-123 amino acids from the N-terminal region of human PAICS
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse PAICS (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	PAICS
Alternative Name:	PAICS / ADE2 (PAICS Products)

Target Details

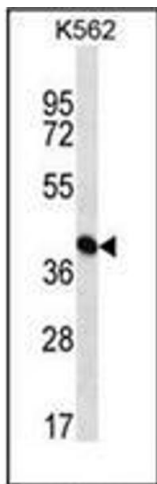
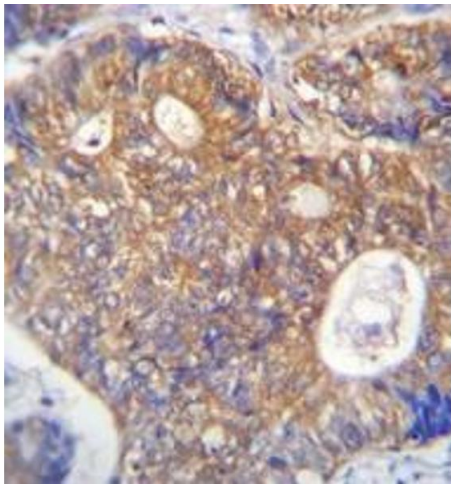
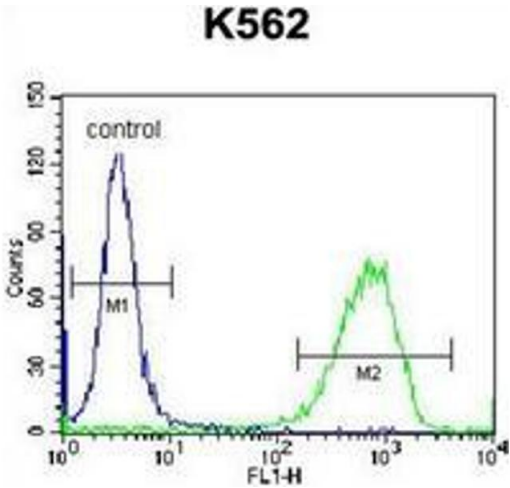
Background:	This gene encodes a bifunctional enzyme containing phosphoribosylaminoimidazole carboxylase activity in its N-terminal region and phosphoribosylaminoimidazole succinocarboxamide synthetase in its C-terminal region. It catalyzes steps 6 and 7 of purine biosynthesis. The gene is closely linked and divergently transcribed with a locus that encodes an enzyme in the same pathway, and transcription of the two genes is coordinately regulated. The human genome contains several pseudogenes of this gene. Multiple transcript variants encoding different isoforms have been found for this gene.Synonyms: AIRC, Multifunctional protein ADE2, PAIS
Molecular Weight:	47079 Da
Gene ID:	10606
NCBI Accession:	NP_001072992
Pathways:	Chromatin Binding

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of K562 cells using PAICS Antibody (N-term) Cat.-No AP53152PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma reacted with PAICS Antibody (N-term) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of PAICS Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis of PAICS Antibody (N-term) in K562 cell line lysates (35ug/lane). This demonstrates the PAICS antibody detected the PAICS protein (arrow).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN953978.