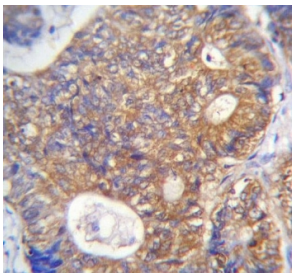
ADE2 Antibody / PAICS (F54659)

Catalog No.	Formulation	Size
F54659-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54659-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

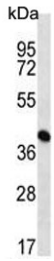
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P22234
Localization	Cytoplasmic
Applications	Flow cytometry: 1:25 (1x10e6 cells) Immunohistochemistry (FFPE): 1:25 Western blot: 1:500-1:2000
Limitations	This ADE2 antibody is available for research use only.



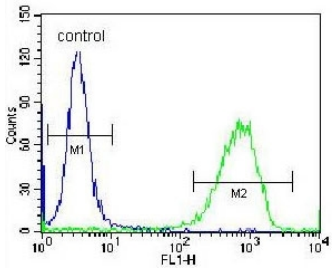
IHC testing of FFPE human colon carcinoma tissue with ADE2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of mouse NIH 3T3 cell lysate with ADE2 antibody. Predicted molecular weight ~47 kDa.



Western blot testing of human K562 cell lysate with ADE2 antibody. Predicted molecular weight ~47 kDa.



Flow cytometry testing of human K562 cells with ADE2 antibody; Blue=isotype control, Green= ADE2 antibody.

Description

The PAICS 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the ADE2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 95-123 from the human protein was used as the immunogen for the ADE2 antibody.

Storage

Aliquot the ADE2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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