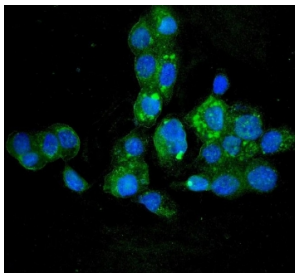
HYI Antibody / Hydroxypyruvate isomerase (RQ6097)

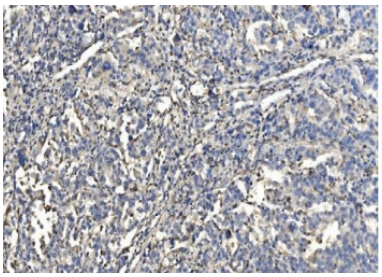
Catalog No.	Formulation	Size
RQ6097	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

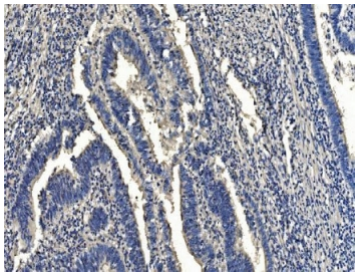
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q5T013
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This HYI antibody is available for research use only.



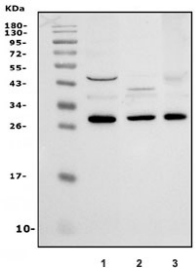
Immunofluorescent staining of FFPE human A431 cells with HYI antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



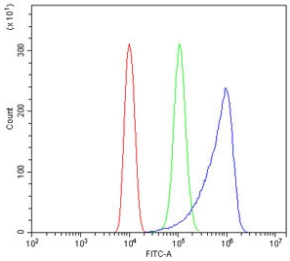
IHC staining of FFPE human melanoma with HYI antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human rectal cancer with HYI antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat liver, 2) rat kidney and 3) mouse liver lysate with HYI antibody. Predicted molecular weight ~30 kDa.



Flow cytometry testing of human ThP1 cells with HYI antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HYI antibody.

Description

This gene encodes a putative hydroxypyruvate isomerase, which likely catalyzes the conversion of hydroxypyruvate to 2-hydroxy-3-oxopropanoate, and may be involved in carbohydrate transport and metabolism. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the HYI antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids E46-Q277) was used as the immunogen for the HYI antibody.

Storage

After reconstitution, the HYI antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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