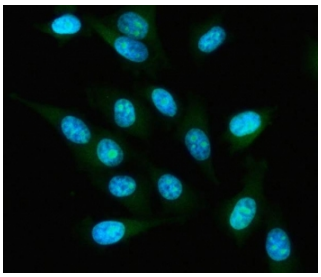
IAH1 Antibody / Isoamyl acetate-hydrolyzing esterase 1 (RQ8549)

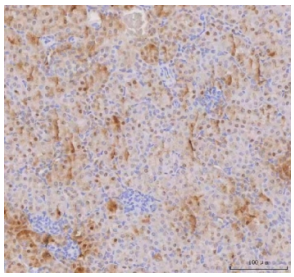
Catalog No.	Formulation	Size
RQ8549	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

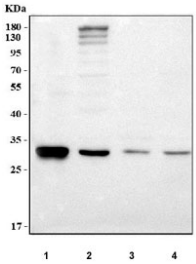
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q2TAA2
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This IAH1 antibody is available for research use only.



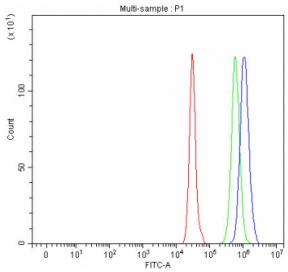
Immunofluorescent staining of FFPE human PC-3 cells with IAH1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE mouse kidney tissue with IAH1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat kidney, 2) rat liver, 3) mouse kidney and 4) mouse liver tissue lysate with IAH1 antibody. Predicted molecular weight ~28 kDa.



Flow cytometry testing of fixed and permeabilized human A549 cells with IAH1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IAH1 antibody.

Description

IAH1, also referred to as Isoamyl acetate-hydrolyzing esterase 1 homolog, is a member of the GDSL lipolytic enzyme family, and likely functions as a lipase. Research surrounding IAH1 has shown a possible link to alcoholism. IAH1 has also been shown to interact with alcohol dehydrogenase 5, ATP5O, CABC1, COQ2, and FAAH.

Application Notes

Optimal dilution of the IAH1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids M1-H248) was used as the immunogen for the IAH1 antibody.

Storage

After reconstitution, the IAH1 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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