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Datasheet for ABIN7173411

anti-DAK antibody (AA 396-561)

2 Images

Overview

Quantity:	100 µg
Target:	DAK
Binding Specificity:	AA 396-561
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DAK antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Triokinase/FMN cyclase protein (396-561AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	DAK
Alternative Name:	TKFC (DAK Products)
Background:	Background: Catalyzes both the phosphorylation of dihydroxyacetone and of glyceraldehyde, and the splitting of ribonucleoside diphosphate-X compounds among which FAD is the best

Target Details

substrate. Represses IFIH1-mediated cellular antiviral response (PubMed:17600090).

Aliases: ATP dependent dihydroxyacetone kinase antibody, Bifunctional ATP dependent dihydroxyacetone kinase/FAD AMP lyase (cyclizing) antibody, DAK antibody, DHA kinase antibody, Dha kinase/FMN cyclase antibody, DHAK_HUMAN antibody, Dihydroxyacetone kinase antibody, Dihydroxyacetone kinase 2 antibody, Dihydroxyacetone kinase 2 homolog (S. cerevisiae) antibody, Dihydroxyacetone kinase 2 homolog (yeast) antibody, FAD AMP lyase (cyclic FMN forming) antibody, FAD AMP lyase (cyclizing) antibody, FAD-AMP lyase (cyclic FMN forming) antibody, FAD-AMP lyase (cyclizing) antibody, FMN cyclase antibody, Glycerone kinase antibody

UniProt: [Q3LXA3](#)

Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

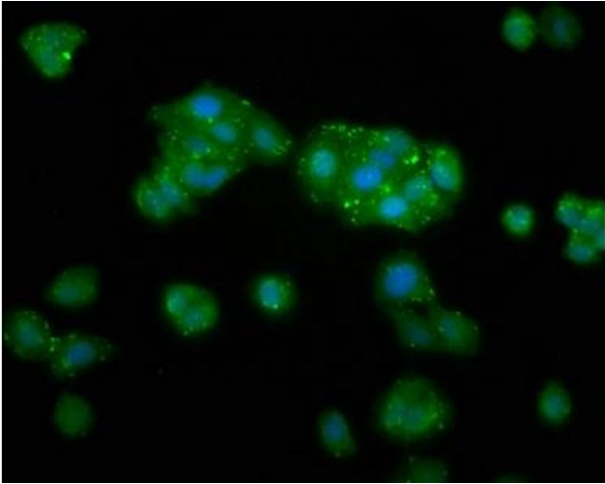
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

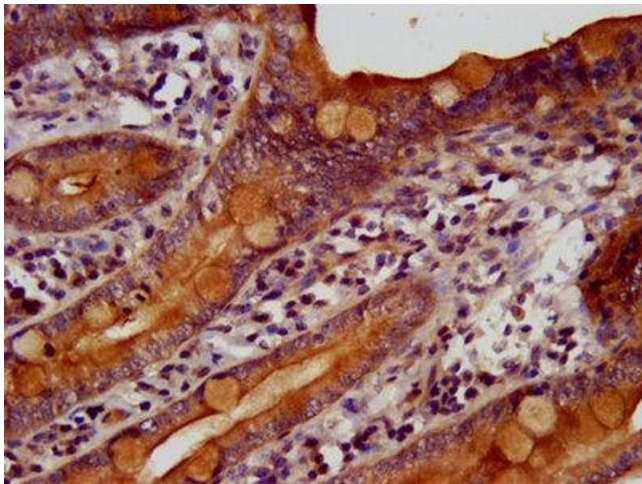
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7173411 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7173411 diluted at 1:400 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.