Datasheet for ABIN392353

anti-GAPDH antibody (N-Term)

6 Images | 14 Publications

Go to Product page

Overview

Quantity:	400 µL
Target:	GAPDH
Binding Specificity:	AA 62-91, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAPDH antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This GAPDH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-91 amino acids from the N-terminal region of human GAPDH.
Clone:	RB16537
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	GAPDH
Alternative Name:	GAPDH (GAPDH Products)

Target Details

Background:	GAPDH catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains.
Molecular Weight:	36053
Gene ID:	2597
NCBI Accession:	NP_001243728, NP_002037
UniProt:	P04406

Application Details

Application Notes:	IF: 1:10~50. IF: 1:10~50. WB: 1:1000. WB: 1:500. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

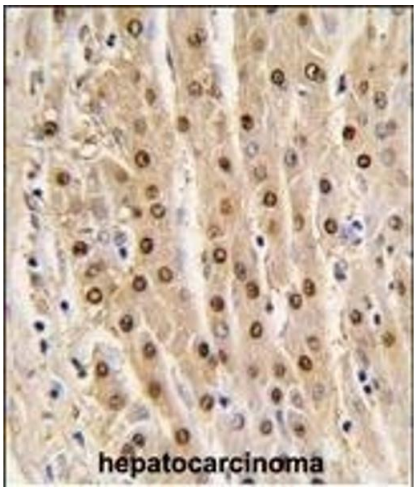
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

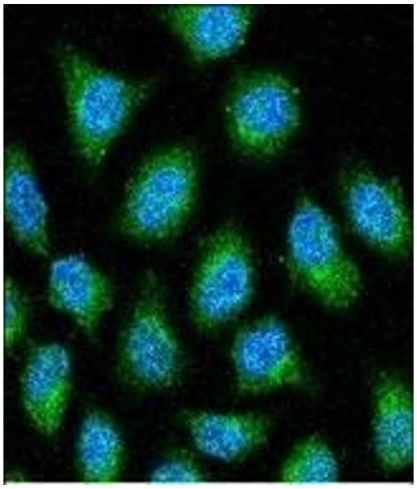
Product cited in:	Nasr, Mukhopadhyay, Zhang, Katzenstein: "Immunohistochemical markers in diagnosis of papillary thyroid carcinoma: Utility of HBME1 combined with CK19 immunostaining." in: **Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc**, Vol. 19, Issue 12, pp. 1631-7, (2006) (PubMed).

There are more publications referencing this product on: Product page



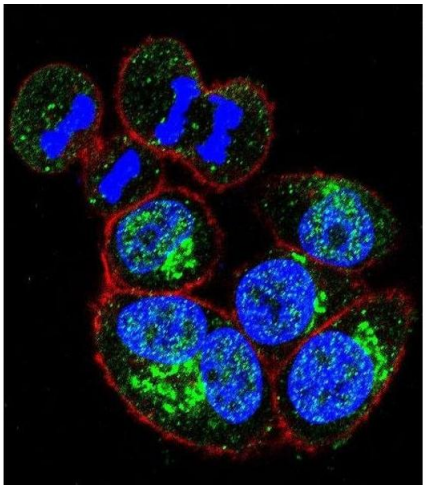
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with GDH antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Immunofluorescence

Image 2. GDH Antibody (N-term) 7873a confocal immunofluorescent analysis with Hela cell. 0.025 mg/mL primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence. DI was used to stain the cell nuclear (blue).



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of GDH Antibody (N-term) 7873a with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DI was used to stain the cell nuclear (blue).

Please check the product details page for more images. Overall 6 images are available for ABIN392353.