Datasheet for ABIN1539789

anti-GAPDH antibody

6 Images | 12 Publications

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Overview

Quantity:	400 µL
Target:	GAPDH
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	GAPDH recombinant protein is used to produce this monoclonal antibody.
Clone:	1A10A10
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	GAPDH
Alternative Name:	GAPDH (GAPDH Products)
Background:	The product of this gene 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. Many pseudogenes similar to this locus are present in

Target Details

	the human genome.
Molecular Weight:	36053
Gene ID:	2597
NCBI Accession:	NP_001243728, NP_002037
UniProt:	P04406

Application Details

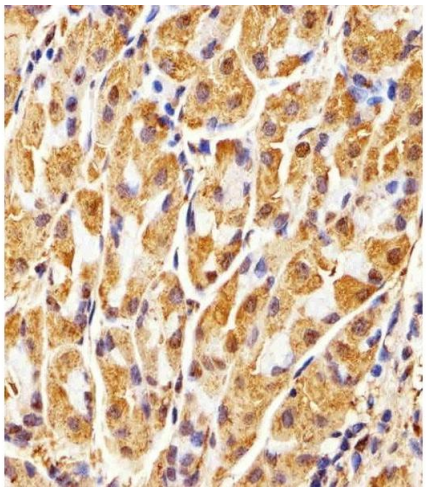
Application Notes:	IF: 1:25. WB: 1:1000. WB: 1:8000. WB: 1:2000~10000. IHC-P: 1:25. IHC-P: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified monoclonal 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:	GAPDH Antibody can be 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

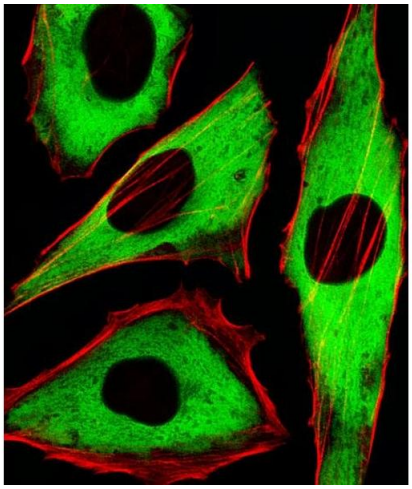
Publications

Product cited in:	Chen, Zou, Zong, Meng, An, Yang: "Anti-human CD138 monoclonal antibodies and their bispecific formats: generation and characterization." in: **Immunopharmacology and immunotoxicology**, Vol. 38, Issue 3, pp. 175-83, (2017) (PubMed).
	There are more publications referencing this product on: Product page



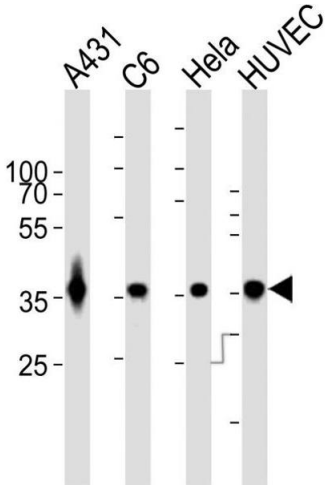
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H.stomach section using GDH Antibody (ABIN1539789 and ABIN2838005). (ABIN1539789 and ABIN2838005) was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunofluorescence

Image 2. Fluorescent image of Hela cells stained with XAF1 GDH Antibody (ABIN1539789 and ABIN2838005). (ABIN1539789 and ABIN2838005) was diluted at 1:25 dilution. An Alexa Fluor® 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western Blotting

Image 3. All lanes : Anti-GDH Antibody at 1:1000 dilution Lane 1: A431 whole cell lysates Lane 2: C6 whole cell lysates Lane 3: Hela whole cell lysates Lane 4: HUVEC whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 36 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 6 images are available for ABIN1539789.