

Datasheet for ABIN565269

anti-GAPDHS antibody (AA 1-408)

4 Images

12 Publications



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	GAPDHS
Binding Specificity:	AA 1-408
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GAPDHS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant GAPDS.
Immunogen:	GAPDS (AAH36373, 1 a.a. ~ 408 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MSKRDIVLTN VTVVQLLRQP CPVTRAPPPP EPKAEVEPQP QPEPTPVREE IKPPPPPLPP HPATPPPKMV SVARELTVGI NGFGRIGRLV LRACMEKGVK VVAVNDPFID PEYMVYMFKY DSTHGRYKGS VEFRNGQLVW DNHEISVYQC KEPKQIPWRA VGSPYVVEST GYVLSIQAAS DHISAGAQRV VISAPSPDAP MFVMGVNEND YNPGSMNIVS NASCTTNCLA PLAKVIHERF GIVEGLMTTV HSYTATQKTV DGPSRKAWRD GRGAHQNIIP ASTGAAKAVT KVIPELKGKL TGMAFRVPTP DVSVDLTCR LAQPAPYSAI KEAVKAAAAG PMAGILAYTE DEVVSTDFLG DTHSSIFDAK AGIALNDNFV KLISWYDNEY GYSHRVVDLL RYMFSRDK
Clone:	2E3-2E10

Product Details

Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	GAPDHS
Alternative Name:	GAPDHS (GAPDHS Products)
Background:	Full Gene Name: glyceraldehyde-3-phosphate dehydrogenase, spermatogenic Synonyms: GAPD2,GAPDH-2,GAPDS,HSD-35
Gene ID:	26330
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Kim, Hata, Kang: "Down-regulation of miR-96 by bone morphogenetic protein signaling is critical for vascular smooth muscle cell phenotype modulation." in: Journal of cellular biochemistry , Vol. 115, Issue 5, pp. 889-95, (2014) (PubMed).
	Kang, Davis-Dusenbery, Nguyen, Lal, Lieberman, Van Aelst, Lagna, Hata: "Bone morphogenetic protein 4 promotes vascular smooth muscle contractility by activating microRNA-21 (miR-21), which down-regulates expression of family of dedicator of cytokinesis (DOCK) proteins." in: The Journal of biological chemistry , Vol. 287, Issue 6, pp. 3976-86, (2012) (PubMed).

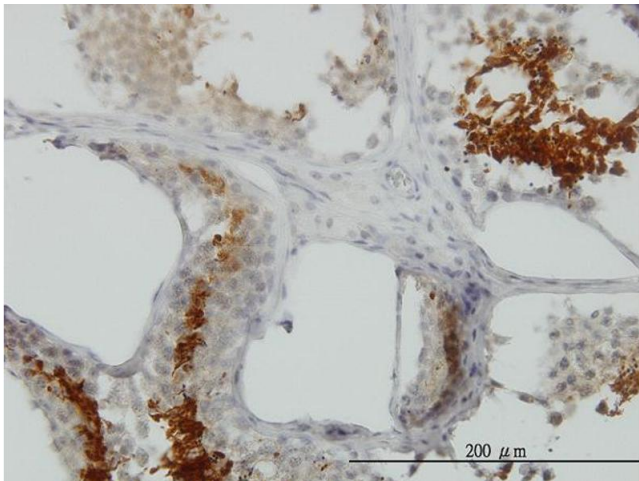
Kravsky, Schmalhausen, Pozdnyakova, Muronetz: "Isolation of antibodies against different protein conformations using immunoaffinity chromatography." in: **Analytical biochemistry**, Vol. 426, Issue 1, pp. 47-53, (2012) ([PubMed](#)).

Kang, Louie, Weisman, Sheu-Gruttadauria, Davis-Dusenbery, Lagna, Hata: "Inhibition of microRNA-302 (miR-302) by bone morphogenetic protein 4 (BMP4) facilitates the BMP signaling pathway." in: **The Journal of biological chemistry**, Vol. 287, Issue 46, pp. 38656-64, (2012) ([PubMed](#)).

Chan, Weisman, Kang, Nguyen, Hickman, Mecker, Hill, Lagna, Hata: "The amiloride derivative phenamil attenuates pulmonary vascular remodeling by activating NFAT and the bone morphogenetic protein signaling pathway." in: **Molecular and cellular biology**, Vol. 31, Issue 3, pp. 517-30, (2011) ([PubMed](#)).

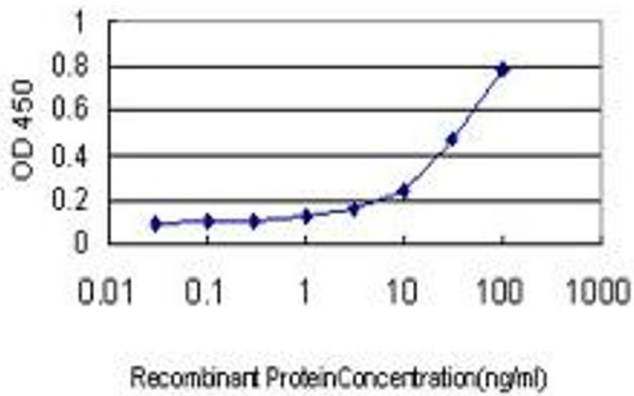
There are more publications referencing this product on: [Product page](#)

Images



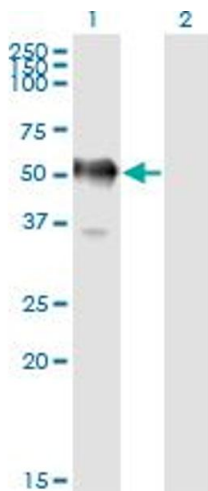
Immunostaining

Image 1. Immunoperoxidase of monoclonal antibody to GAPDHS on formalin-fixed paraffin-embedded human testis. [antibody concentration 1.5 ug/ml]



ELISA

Image 2. Detection limit for recombinant GST tagged GAPDHS is approximately 1ng/ml as a capture antibody.



Western Blotting

Image 3. Western Blot analysis of GAPDHS expression in transfected 293T cell line by GAPDS monoclonal antibody (M01), clone 2E3-2E10.

Lane 1: GAPDHS transfected lysate(44.5 KDa).

Lane 2: Non-transfected lysate.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN565269.