Datasheet for ABIN6243346

anti-GAPDHS antibody (AA 104-134)

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Overview

Quantity:	400 µL
Target:	GAPDHS
Binding Specificity:	AA 104-134
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAPDHS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This GAPDHS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-134 amino acids from the Central region of human GAPDHS.
Clone:	RB16542
Isotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	GAPDHS

Target Details

Alternative Name:	GAPDHS (GAPDHS Products)
Background:	GAPDHS is a protein belonging to the glyceraldehyde-3-phosphate dehydrogenase family of enzymes that play an important role in carbohydrate metabolism. Like its somatic cell counterpart, this sperm-specific enzyme functions in a nicotinamide adenine dinucleotide-dependent manner to remove hydrogen and add phosphate to glyceraldehyde 3-phosphate to form 1,3-diphosphoglycerate. During spermiogenesis, this enzyme may play an important role in regulating the switch between different energy-producing pathways, and it is required for sperm motility and male fertility.
Molecular Weight:	44501
NCBI Accession:	NP_055179
UniProt:	O14556
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

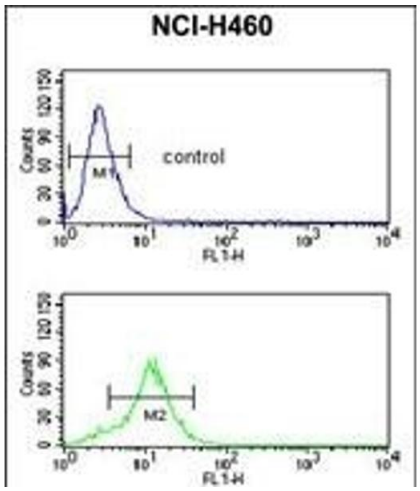
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

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
Expiry Date:	6 months

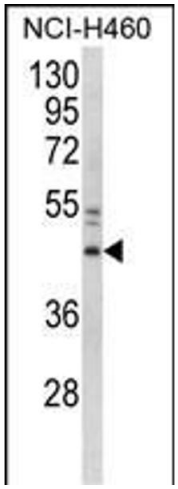
Publications

Product cited in:	Cao, Yang, Wang, Xu, Zhou, Cheng, Liu, Cheng, Long, Gu: "Temporal-spatial expressions of Spy1 in rat sciatic nerve after crush." in: **Cellular and molecular neurobiology**, Vol. 33, Issue 2, pp. 213-21, (2013) (PubMed).



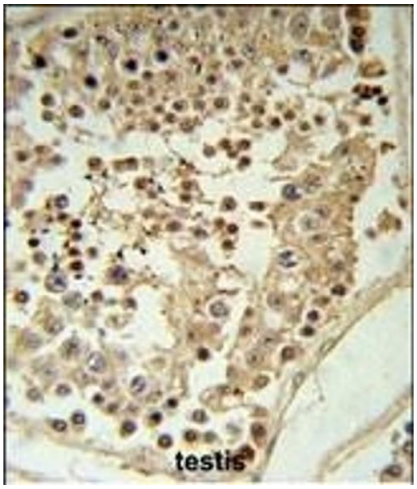
Flow Cytometry

Image 1. GDHS Antibody (Center) 8610c flow cytometric analysis of NCI- cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of GDHS Antibody (Center) 8610c in NCI- cell line lysates (35 µg/lane). GDHS (arrow) was detected using the purified Pab.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. GDHS Antibody (Center) 8610c IHC analysis in formalin fixed and paraffin embedded testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GDHS Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.