

For Research Use Only

GAPDHS Recombinant antibody

Catalog Number: 83290-3-RR



Basic Information

Catalog Number: 83290-3-RR	GenBank Accession Number: BC036373	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 26330	CloneNo.: 240277F1
Source: Rabbit	UNIPROT ID: O14556	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: glyceraldehyde-3-phosphate dehydrogenase, spermatogenic	
Immunogen Catalog Number: AG4988	Calculated MW: 45 kDa	
	Observed MW: 60-65 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse

Positive Controls:

WB : HeLa cells, MCF-7 cells, NIH/3T3 cells, mouse testis tissue

Background Information

GAPDHS(Glyceraldehyde-3-phosphate dehydrogenase, testis-specific) is also named as GAPD2, GAPDH2, GAPDS and belongs to the glyceraldehyde-3-phosphate dehydrogenase family. It may play an important role in regulating the switch between different pathways for energy production during spermiogenesis and in the spermatozoon. GAPDHS is a promising contraceptive target because it is specific to male germ cells, essential for sperm motility and male fertility, and well suited to pharmacological inhibition(PMID:20828617).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

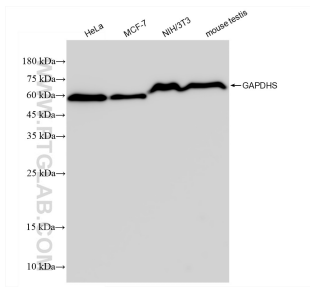
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

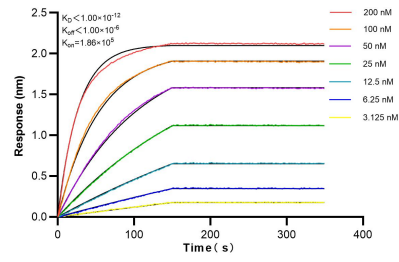
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83290-3-RR (GAPDH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83290-3-RR against Human GAPDH were performed. The affinity constant is below 1 pM.