

For Research Use Only

HSL Recombinant antibody

Catalog Number: 84540-1-RR



Basic Information

Catalog Number: 84540-1-RR	GenBank Accession Number: BC070041	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3991	CloneNo.: 241875B11
Source: Rabbit	UNIPROT ID: Q05469	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800
Isotype: IgG	Full Name: lipase, hormone-sensitive	
Immunogen Catalog Number: AG11360	Calculated MW: 117 kDa	
	Observed MW: 84 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human testis tissue, mouse adipose tissue, rat adipose tissue

IHC : mouse testis tissue, mouse brown adipose tissue

Background Information

Hormone sensitive lipase (HSL) belongs to the 'GDXG' lipolytic enzyme family. In adipose tissue and heart, it primarily hydrolyzes stored triglycerides to free fatty acids, while in steroidogenic tissues, it principally converts cholesteryl esters to free cholesterol for steroid hormone production. HSL has two isoforms with the molecular mass of 117 kDa and 84 kDa.

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

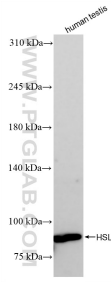
For technical support and original validation data for this product please contact:

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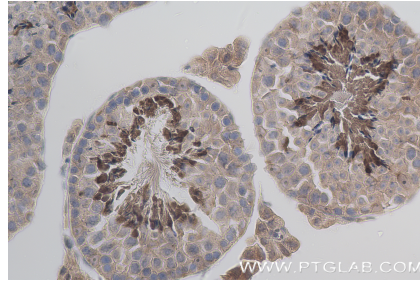
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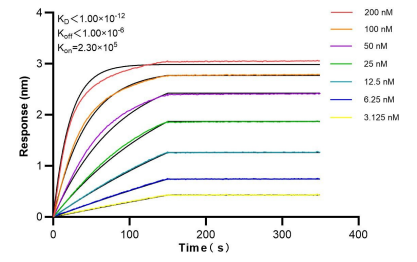
Selected Validation Data



Human testis tissue were subjected to SDS PAGE followed by western blot with 84540-1-RR (HSL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 84540-1-RR (LIPE antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 84540-1-RR against Human HSL were performed. The affinity constant is below 1 pM.