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PRODUCT DATASHEET

Anti-Hormone-sensitive lipase (HSL) Antibody

Product Details

Available Variants	500 µL (SKU:C-1523-500)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	Affinity-purified
Physical State	Liquid
Buffer	PBS with 0.02% sodium azide.
Applications	WB
Dilution Ranges	WB: 1:1000-1:5000
Species Reactivity	Human, Mouse, Rat
Immunogen	Mouse Hormone Sensitive Lipase mixed peptides (617-828, 533-544, 191-202 aa).
Specificity	This antibody detects HSL at approx 83 kDa in various fat cell lysates from mouse and rat. Additional weaker band may appear at approx 40 kDa (unknown). mouse, rat, Human.
Molecular Weight	83 kDa
Storage	Short term storage at 2-8°C for one week. At -20°C as an undiluted liquid for up to 12 months.
UniProt ID	P54310 UniProt Summary: Lipase with broad substrate specificity, catalyzing the hydrolysis of triacylglycerols (TAGs), diacylglycerols (DAGs), monoacylglycerols (MAGs), cholesteryl esters and retinyl esters. Shows a preferential hydrolysis of DAGs over TAGs and MAGs and preferentially hydrolyzes the fatty acid (FA) esters at the sn-3 position of the glycerol backbone in DAGs. Preferentially hydrolyzes FA esters at the sn-1 and sn-2

	positions of the glycerol backbone in TAGs. Catalyzes the hydrolysis of 2-arachidonoylglycerol, an endocannabinoid and of 2-acetyl monoalkylglycerol ether, the penultimate precursor of the pathway for de novo synthesis of platelet-activating factor. 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.
Country of Origin	United States
Shipping	2-8°C (on cold packs)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	16890

Product Images



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