

For Research Use Only

# SC4MOL Recombinant antibody

Catalog Number: 84742-1-RR



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
84742-1-RR	BC107879	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 µg/ml by Nanodrop;	6307	241988B11
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q15800	WB 1:5000-1:50000
Isotype:	Full Name:	
IgG	sterol-C4-methyl oxidase-like	
Immunogen Catalog Number:	Observed MW:	
AG34758	36 kDa	

## Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB : mouse adipose tissue, mouse liver tissue, mouse small intestine tissue
Species Specificity:	
human, mouse	

## Background Information

SC4MOL(sterol C4-methyl oxidase-like), an intermediate enzyme in the cholesterol biosynthetic pathway, was included in the library based on its representation in a high confidence GEO transcriptional profiling dataset as a transcript that rapidly undergoes significant expression change in response to stimulation or inhibition of EGFR. Among the validated hits that increased cell killing by common EGFR antagonists, SC4MOL was consistently one of the most effective modulators. (PMID: 23125191)

## Storage

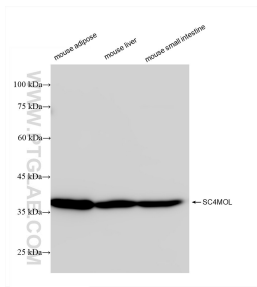
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

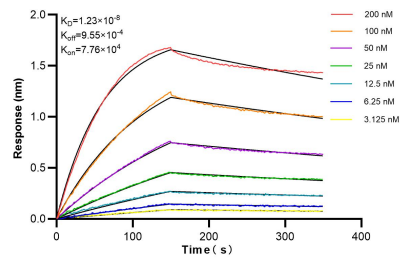
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## Selected Validation Data



mouse adipose tissue were subjected to SDS PAGE followed by western blot with 84742-1-RR (SC4MOL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84742-1-RR against Human SC4MOL were performed. The affinity constant is 12.3 nM.