

For Research Use Only

# SC4MOL Recombinant antibody, PBS Only

Catalog Number: 84742-1-PBS



## Basic Information

<b>Catalog Number:</b> 84742-1-PBS	<b>GenBank Accession Number:</b> BC107879	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6307	<b>CloneNo.:</b> 241988B11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15800	
<b>Isotype:</b> IgG	<b>Full Name:</b> sterol-C4-methyl oxidase-like	
<b>Immunogen Catalog Number:</b> AG34758	<b>Observed MW:</b> 36 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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

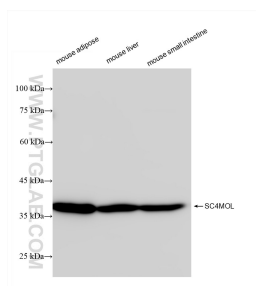
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

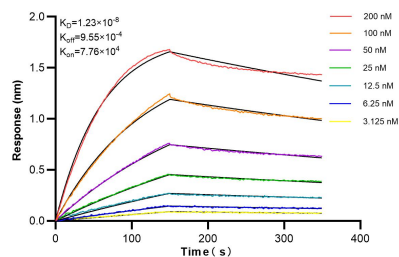
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## Selected Validation Data



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. This data was developed using the same antibody clone with 84742-1-PBS in a different storage buffer formulation.



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