

For Research Use Only

# FATS Polyclonal antibody

Catalog Number: 30190-1-AP



## Basic Information

<b>Catalog Number:</b> 30190-1-AP	<b>GenBank Accession Number:</b> NM_001004298.2	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 118611	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96M02	
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 10 open reading frame 90	
<b>Immunogen Catalog Number:</b> AG32956	<b>Calculated MW:</b> 78 kDa	
	<b>Observed MW:</b> 67-77 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB :</b> A431 cells, mouse liver tissue, rat brain tissue <b>IF/ICC :</b> A431 cells,

## Background Information

FATS, also known as centrosomal protein C10orf90, bA422P15.2, belongs to a novel class of enzymes that acts as an E2-E3 hybrid enzyme for assembly of polyubiquitin chains. FATS is an E2-independent ubiquitin ligase that stabilizes p53 and promotes its activation in response to DNA damage (PMID: 24240685). FATS acts as a p53/TP53 activator by inhibiting MDM2 binding to p53/TP53 and stimulating non-proteolytic polyubiquitination of p53/TP53.

## Storage

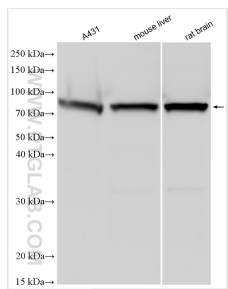
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

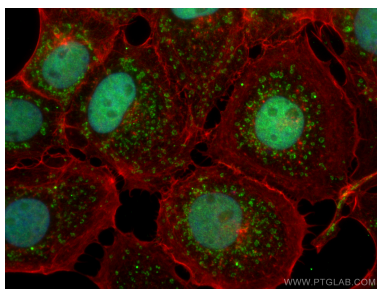
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30190-1-AP (FATS antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using FATS antibody (30190-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).