

For Research Use Only

# OSBPL3 Polyclonal antibody

Catalog Number:12417-1-AP

3 Publications



## Basic Information

<b>Catalog Number:</b> 12417-1-AP	<b>GenBank Accession Number:</b> BC017731	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 26031	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H4L5	
<b>Isotype:</b> IgG	<b>Full Name:</b> oxysterol binding protein-like 3	
<b>Immunogen Catalog Number:</b> AG3044	<b>Calculated MW:</b> 887 aa, 101 kDa	
	<b>Observed MW:</b> 95-110 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : HCT 116 cells, K-562 cells, HeLa cells IHC : human colon cancer tissue,
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

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

## Background Information

The oxysterol-binding protein-like (OSBPL) protein family includes nine members namely OSBPL2, OSBPL3, OSBPL5, OSBPL6, OSBPL7, OSBPL8, OSBPL9, OSBPL10, and OSBPL11. The OSBPL family proteins (OSBPLs) are located at the membrane to exchange molecules or signals between organelles and function as a necessary transporter. In addition to lipid transport, the OSBPLs are involved in the regulation of the actin cytoskeleton, cell polarity, and cell. Recently, the role of OSBPLs in cancer development has been gradually revealed. Upregulation of OSBPL3 could promote colorectal cancer. (PMID: 36918840)

## Notable Publications

Author	Pubmed ID	Journal	Application
Yu Zhang	34308980	Biosci Rep	IHC
Yu Zhang	34259324	Biosci Rep	IHC
Kunpeng Tian	36918840	BMC Cancer	IHC

## 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

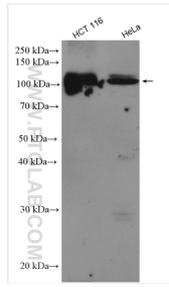
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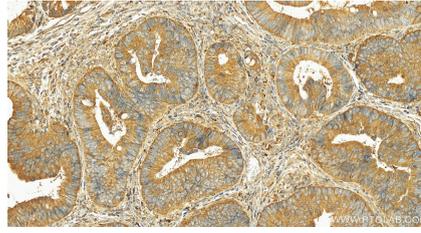
E: proteintech@ptglab.com  
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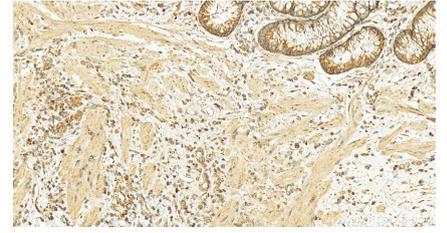
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12417-1-AP (OSBPL3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12417-1-AP (OSBPL3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12417-1-AP (OSBPL3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).