

For Research Use Only

# SODD/BAG4 Polyclonal antibody

Catalog Number: 13913-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 13913-1-AP	<b>GenBank Accession Number:</b> BC038505	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop and 507 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9530	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95429	
<b>Isotype:</b> IgG	<b>Full Name:</b> BCL2-associated athanogene 4	
<b>Immunogen Catalog Number:</b> AG4905	<b>Calculated MW:</b> 457 aa, 50 kDa	
	<b>Observed MW:</b> 60 kDa, 66-70 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, IP, ELISA	<b>Positive Controls:</b> WB : K-562 cells, MCF-7 cells
<b>Cited Applications:</b> WB	<b>IP :</b> K-562 cells,
<b>Species Specificity:</b> human	<b>IF/ICC :</b> MCF-7 cells,
<b>Cited Species:</b> artemia sinica	

## Background Information

BAG4, also known as SODD (the silencer of death domain), belongs to the BAG family of anti-apoptotic proteins. BAG4 binds to the tumor necrosis factor receptor 1 (TNFR1) and block signaling for subsequent activation of apoptosis. This antibody detects 66-70 kDa full-length BAG4 protein and 45 kDa, 60 kDa C-terminal fragments, which was also observed by Hedda et al. (12706861).

## Notable Publications

Author	Pubmed ID	Journal	Application
Alexandra E. Perlegos	36104353	Nat Commun	WB
Mengchen Zhang	28115244	Gene	WB

## Storage

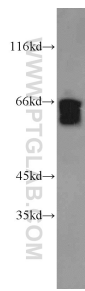
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

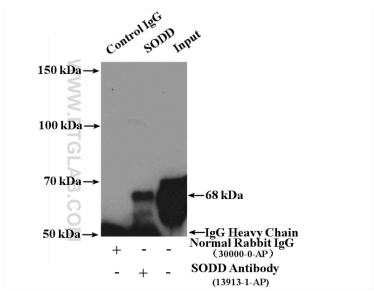
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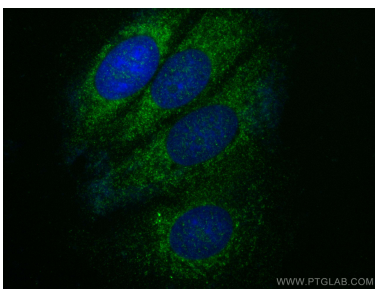
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 13913-1-AP (SODD/BAG4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-SODD/BAG4 (IP:13913-1-AP, 4ug; Detection:13913-1-AP 1:500) with K-562 cells lysate 2800ug.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using SODD/BAG4 antibody (13913-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).