

For Research Use Only

# SH2D1B Polyclonal antibody

Catalog Number: 11871-1-AP

8 Publications



## Basic Information

<b>Catalog Number:</b> 11871-1-AP	<b>GenBank Accession Number:</b> BC022407	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 117157	<b>Recommended Dilutions:</b> IHC 1:50-1:500 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O14796	
<b>Isotype:</b> IgG	<b>Full Name:</b> SH2 domain containing 1B	
<b>Immunogen Catalog Number:</b> AG2454	<b>Calculated MW:</b> 132 aa, 15 kDa	
	<b>Observed MW:</b> 15 kDa	

## Applications

<b>Tested Applications:</b> IHC, IF/ICC, ELISA	<b>Positive Controls:</b> IHC : human kidney tissue, IF/ICC : HepG2 cells,
<b>Cited Applications:</b> ColP	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

SH2D1B, also named as EAT2, an adaptor expressed in innate immune cells, including natural killer (NK) cells. It plays a role in controlling signal transduction through at least four receptors, CD84, SLAMF1, LY9 and CD244, expressed on the surface of professional antigen-presenting cells. EAT-2 overexpression would enhance the innate immune responses and also result in more potent Carcinoembryonic antigen-specific adaptive immune responses.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lihi Radomir	28904129	J Immunol	FC, ColP
Ivayla E Gyurova	31824507	Front Immunol	FC
Jaewon Lee	25786175	Immunity	FC

## Storage

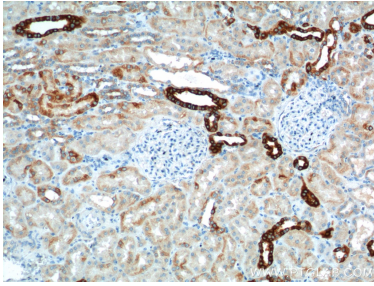
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol  
Aliquoting is unnecessary for -20°C storage

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

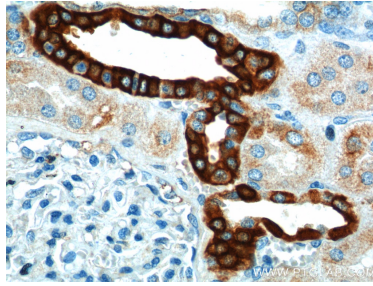
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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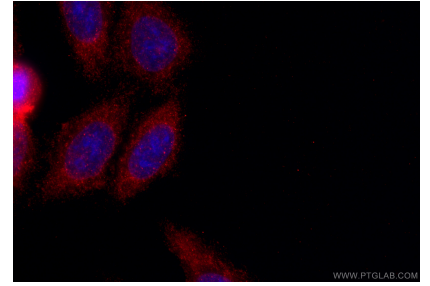
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11871-1-AP (SH2D1B Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11871-1-AP (SH2D1B Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SH2D1B antibody (11871-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).