

For Research Use Only

# STXBP2 Monoclonal antibody

Catalog Number: 66238-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 66238-1-Ig	<b>GenBank Accession Number:</b> BC002869	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2100 ug/ml by Nanodrop and 1500 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6813	<b>CloneNo.:</b> 3G3A12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q15833	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:2000 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> syntaxin binding protein 2	
<b>Immunogen Catalog Number:</b> AG7640	<b>Calculated MW:</b> 593 aa, 66 kDa	
	<b>Observed MW:</b> 66 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IP, ELISA	<b>Positive Controls:</b> WB : HeLa cells, fetal human brain tissue, HEK-293 cells, HepG2 cells, Jurkat cells IP : K-562 cells, IHC : mouse brain tissue, human lung cancer tissue IF/ICC : HepG2 cells,
<b>Cited Applications:</b> WB, IP	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	
<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

Syntaxin-binding protein 2 (STXBP2, also known as Unc18-2) belongs to the STXBP/unc-18/SEC1 family. STXBP2 is involved in intracellular trafficking, control of SNARE (soluble NSF attachment protein receptor) complex assembly, and the release of cytotoxic granules by natural killer cells. Mutations in the STXBP2 gene are associated with familial hemophagocytic lymphohistiocytosis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Prasad V Phatarpekar	32841357	J Cell Biol	
Mina Yang	36944334	Immunity	WB,IP

## 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:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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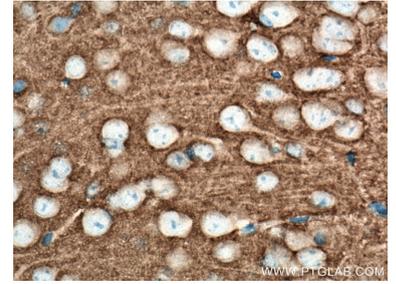
## Selected Validation Data



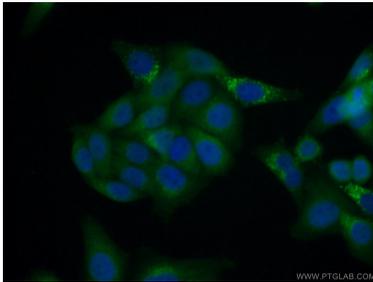
Various lysates were subjected to SDS PAGE followed by western blot with 66238-1-Ig (STXBP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



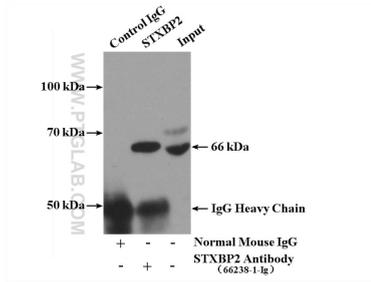
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66238-1-Ig (STXBP2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66238-1-Ig (STXBP2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 66238-1-Ig (STXBP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IP result of anti-STXBP2 (IP:66238-1-Ig, 5ug; Detection:66238-1-Ig 1:2000) with K-562 cells lysate 3200ug.