

For Research Use Only

# GOT2 Monoclonal antibody

Catalog Number: 67738-1-Ig



## Basic Information

|  |  |  |
|--|--|--|
| <b>Catalog Number:</b><br>67738-1-Ig                           | <b>GenBank Accession Number:</b><br>BC000525   | <b>Purification Method:</b><br>Protein G purification                    |
| <b>Size:</b><br>150ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>2806  | <b>CloneNo.:</b><br>1B6C6  |
| <b>Source:</b><br>Mouse  | <b>UNIPROT ID:</b><br>P00505   | <b>Recommended Dilutions:</b><br>WB 1:2000-1:10000<br>IHC 1:4000-1:16000 |
| <b>Isotype:</b><br>IgG1  | <b>Full Name:</b><br>glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2) |  |
| <b>Immunogen Catalog Number:</b><br>AG6600                     | <b>Calculated MW:</b><br>47 kDa  |  |
|  | <b>Observed MW:</b><br>39-40 kDa   |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, IHC, ELISA  | <b>Positive Controls:</b>   |
| <b>Species Specificity:</b><br>Human, mouse, rat, pig, chicken   | <b>WB :</b> pig brain tissue, A431 cells, rat brain, mouse brain, chicken brain, HEK-293 cells, HepG2 cells |
| <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> | <b>IHC :</b> mouse heart tissue, rat brain tissue, rat heart tissue   |

## Background Information

GOT2 encodes the mitochondrial glutamate oxaloacetate transaminase and plays an essential role in the intracellular NAD(H) redox balance. Upregulation of GOT2 has been reported in various cancers, including breast cancer and pancreatic cancer. GOT2 mutation leads to autosomal recessive neurometabolic disorder.

## Storage

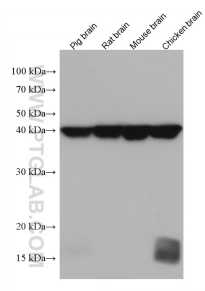
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

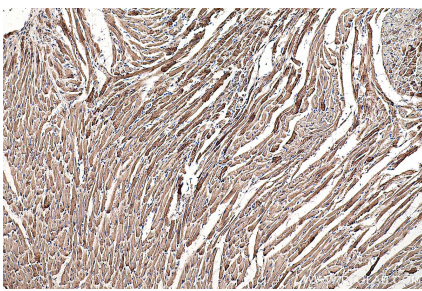
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

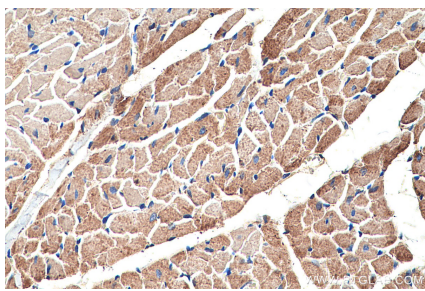
Selected Validation Data



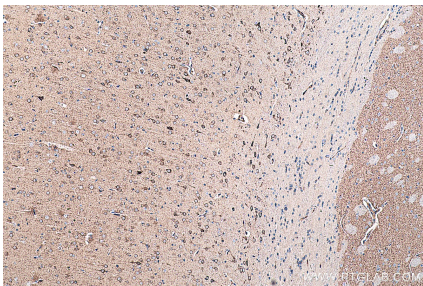
Various lysates were subjected to SDS PAGE followed by western blot with 67738-1-Ig (GOT2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



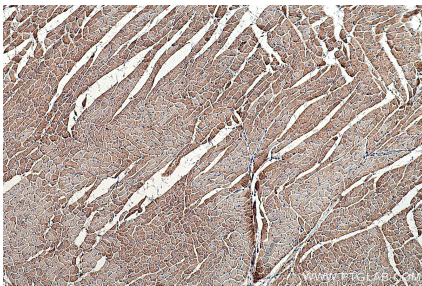
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 67738-1-Ig (GOT2 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 67738-1-Ig (GOT2 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67738-1-Ig (GOT2 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 67738-1-Ig (GOT2 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).