

# GOT2 Monoclonal antibody

Catalog Number: 67738-1-Ig

## Basic Information

Catalog Number:

67738-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6600

GenBank Accession Number:

BC000525

GeneID (NCBI):

2806

UNIPROT ID:

P00505

Full Name:

glutamic-oxaloacetic transaminase 2,  
mitochondrial (aspartate  
aminotransferase 2)

Calculated MW:

47 kDa

Observed MW:

39-40 kDa

Purification Method:

Protein G purification

CloneNo.:

1B6C6

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:4000-1:16000

## Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, mouse, rat, pig, chicken

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

Positive Controls:

**WB** : pig brain tissue, A431 cells, rat brain, mouse  
brain, chicken brain, HEK-293 cells, HepG2 cells

**IHC** : 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:

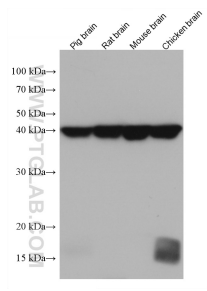
Store at -20°C.

Storage Buffer:

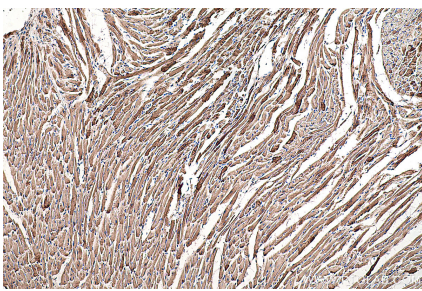
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

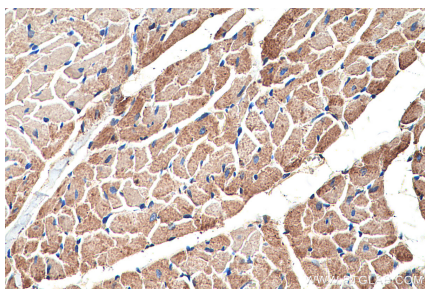
Selected Validation Data



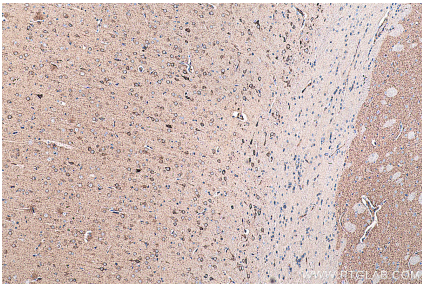
Various lysates were subjected to SDS PAGE followed by western blot with 67738-1-Ig (GOT2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



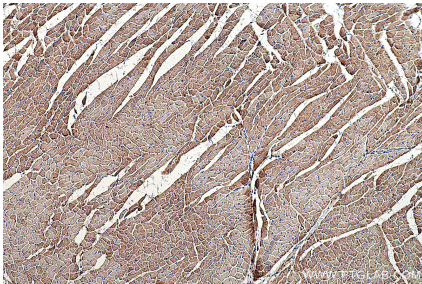
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 67738-1-Ig (GOT2 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).