
GOT1L1 Rabbit pAb

Catalog Number: bs-13494R

Target Protein: GOT1L1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Mouse, Rat (predicted:Human, Rabbit, Pig, Sheep, Cow, Horse)

Predicted MW: 47 kDa

Entrez Gene: 137362

Swiss Prot: Q8NHS2

Source: KLH conjugated synthetic peptide derived from human GOT1L1: 201-300/421.

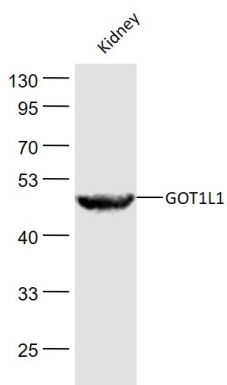
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

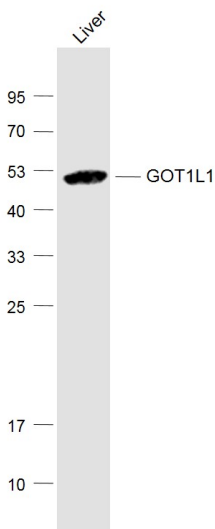
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: GOT1L1, Glutamate oxaloacetate transaminase 1-like protein 1, is a 421 amino acid member of the class-I pyridoxal-phosphate-dependent aminotransferase family. Similar to glutamate-oxaloacetate transaminase (GOT1), GOT1L1 is found primarily as a homodimer in the cytoplasmic space but also has mitochondrial and chloroplastic isozymes. GOT1L1 transaminates 2-oxoglutarate with L-aspartate to yield oxaloacetate and L-glutamate. This reaction requires a pyridoxal phosphate cofactor to occur. The GOT1L1 peptidase is predominately expressed in the liver and serum levels of this protein can be used as an indicator of liver disease. Also, elevated glutamate concentrations in the brain interstitial fluids can lead to pathological brain conditions. The glutamate-scavenging properties of these aminotranferase type enzymes likely prevent glutamate excitotoxicity and the long-lasting neurological deficits seen after stroke.

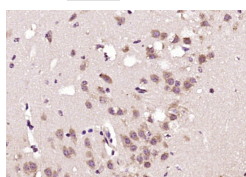
VALIDATION IMAGES



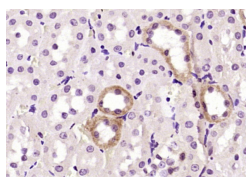
Sample: Kidney (Mouse) Lysate at 40 ug Primary: Anti- GOT1L1 (bs-13494R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kD Observed band size: 47 kD



Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti- GOT1L1 (bs-13494R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kD Observed band size: 47 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GOT1L1) Polyclonal Antibody, Unconjugated (bs-13494R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GOT1L1) Polyclonal Antibody, Unconjugated (bs-13494R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.