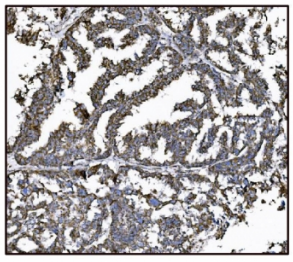
Glutamate-oxaloacetate transaminase 2 Antibody / GOT2 / FABP-1 (RQ6424)

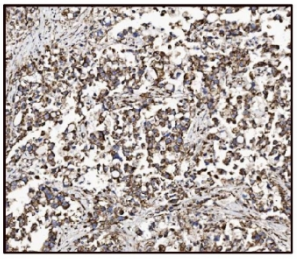
Catalog No.	Formulation	Size
RQ6424	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

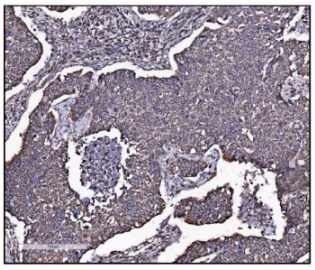
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P00505
Localization	Cytoplasmic, cell membrane
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Glutamate-oxaloacetate transaminase 2 antibody is available for research use only.



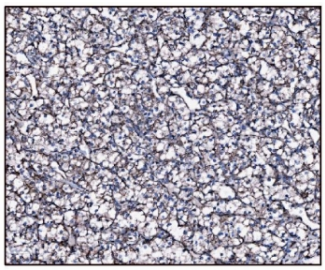
IHC staining of FFPE human ovarian cancer tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



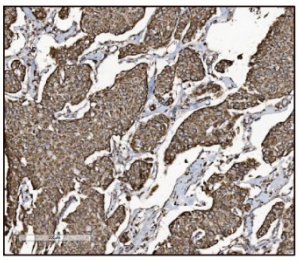
IHC staining of FFPE human gastric cancer tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



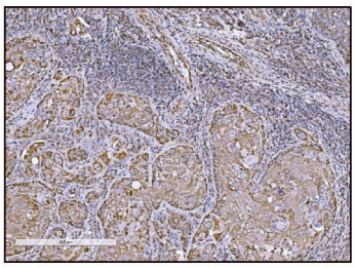
IHC staining of FFPE human lung cancer tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



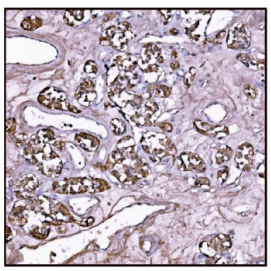
IHC staining of FFPE human renal carcinoma tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



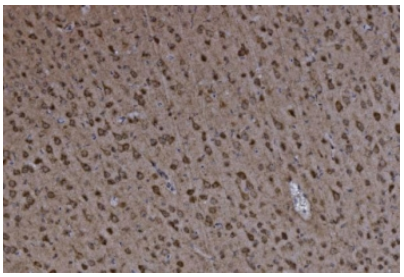
IHC staining of FFPE human breast cancer tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



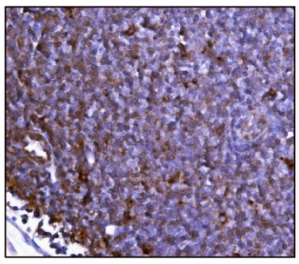
IHC staining of FFPE human gallbladder adenocarcinoma tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



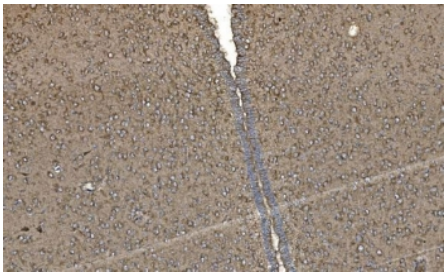
IHC staining of FFPE human adrenal cortical adenocarcinoma tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



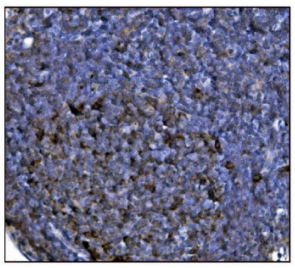
IHC staining of FFPE mouse brain tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



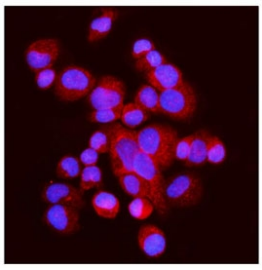
IHC staining of FFPE mouse lymph node tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



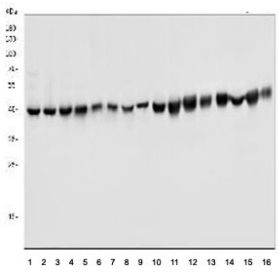
IHC staining of FFPE rat brain tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



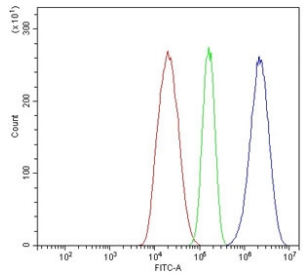
IHC staining of FFPE rat lymph node tissue with Glutamate-oxaloacetate transaminase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human T-47D cells with Glutamate-oxaloacetate transaminase 2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) PC-3, 3) Raji, 4) Jurkat, 5) A549, 6) HepG2, 7) Caco-2, 8) U937, 9) rat brain, 10) rat liver, 11) rat kidney, 12) rat ovary, 13) mouse brain, 14) mouse liver, 15) mouse kidney and 16) mouse ovary tissue lysate with Glutamate-oxaloacetate transaminase 2 antibody. Predicted molecular weight ~47 kDa.



Flow cytometry testing of human HepG2 cells with Glutamate-oxaloacetate transaminase 2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Glutamate-oxaloacetate transaminase 2 antibody.

Description

Aspartate aminotransferase, mitochondrial is an enzyme that in humans is encoded by the GOT2 gene. Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Glutamate-oxaloacetate transaminase 2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids H35-K430) was used as the immunogen for the Glutamate-oxaloacetate transaminase 2 antibody.

Storage

After reconstitution, the Glutamate-oxaloacetate transaminase 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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