

## Product datasheet for **TA350033**

### GOT2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: 293T and Hela cells, Human fetal liver, mouse spleen and heart tissue, human fetal brain and hepatocellular carcinoma tissue IHC: 100-300 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human GOT2
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48 kDa
Gene Name:	glutamic-oxaloacetic transaminase 2
Database Link:	<a href="#">NP_002071</a> <a href="#">Entrez Gene 14719 Mouse</a> <a href="#">Entrez Gene 25721 Rat</a> <a href="#">Entrez Gene 2806 Human</a> <a href="#">P00505</a>



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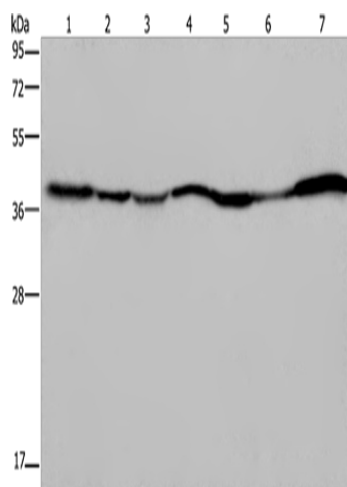
**Background:** Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric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

**Synonyms:** KAT4; KATIV; mitAAT

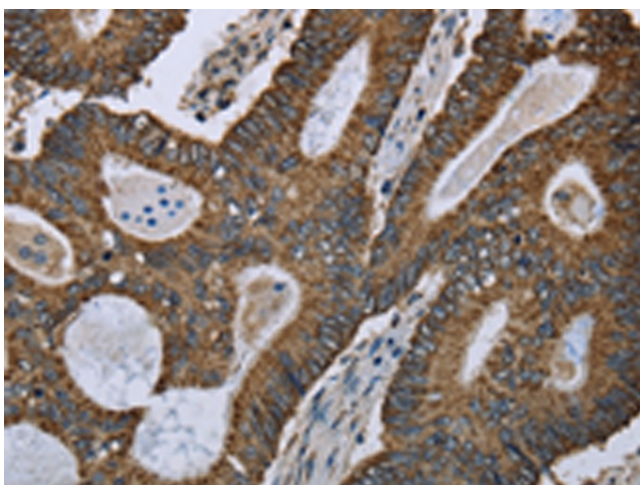
**Protein Families:** Stem cell - Pluripotency

**Protein Pathways:** Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Cysteine and methionine metabolism, Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism, Tyrosine metabolism

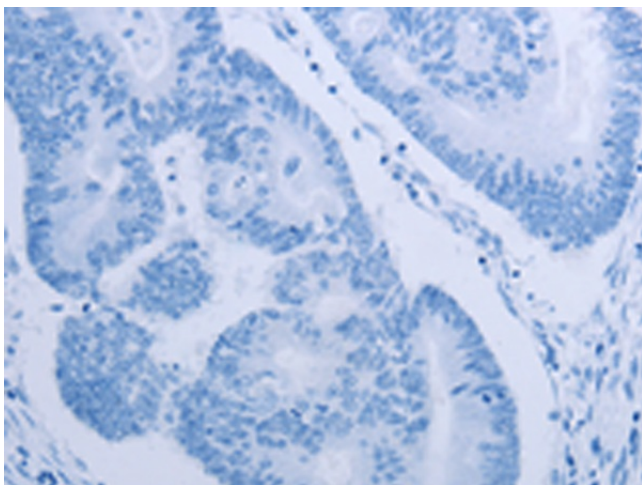
**Product images:**



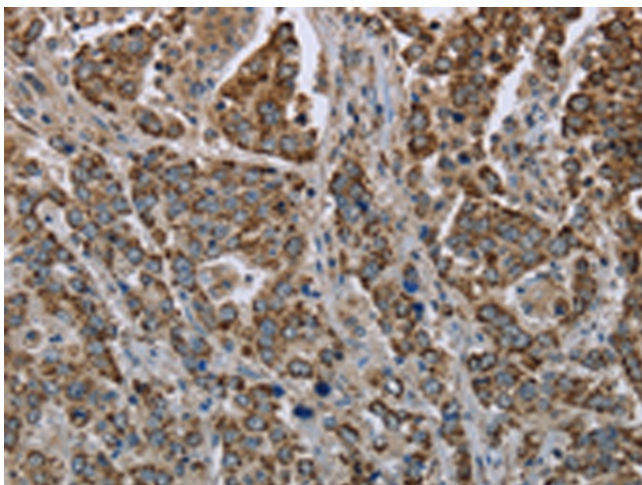
Gel: 10%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-7: 293T cells  
 Hela cells  
 Human fetal liver tissue  
 mouse spleen tissue  
 Mouse heart tissue  
 human fetal brain tissue  
 hepatocellular carcinoma tissue  
 Primary antibody: TA350033 (GOT2 Antibody) at dilution 1/400  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 10 seconds



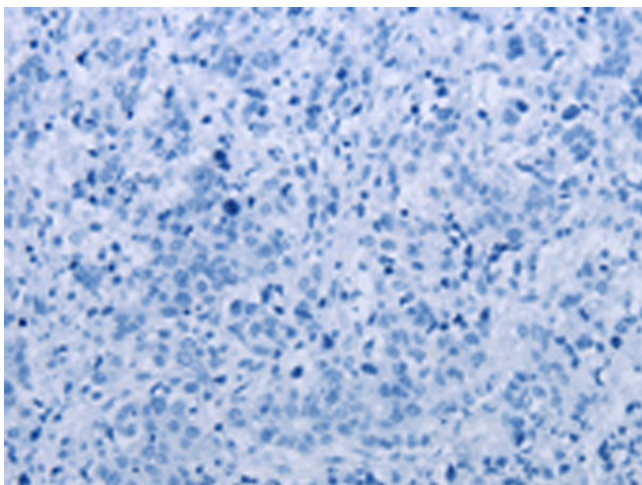
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA350033 (GOT2 Antibody) at dilution 1/50 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA350033 (GOT2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350033 (GOT2 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350033 (GOT2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)