

Rabbit anti-Human GPT2 Polyclonal Antibody | anti-GPT2 antibody

GPT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327833	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

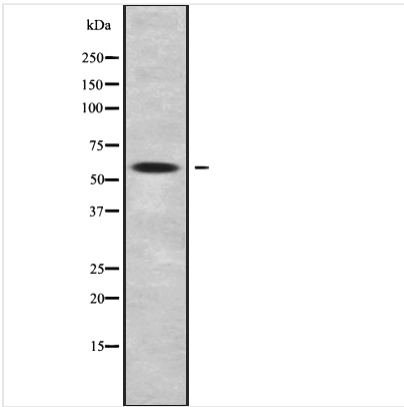
PRODUCT SYNONYMS

GPT2; Polyclonal Antibody; GPT2 Antibody; AAT2; Alanine aminotransferase 2; ALAT2_HUMAN; ALT2; Glutamate pyruvate transaminase 2; Glutamic alanine transaminase 2; Glutamic pyruvate transaminase (alanine aminotransferase) 2; Glutamic pyruvic transaminase 2; Glutamic--alanine transaminase 2; Glutamic--pyruvic transaminase 2; GPT 2; gpt2; anti-GPT2 antibody

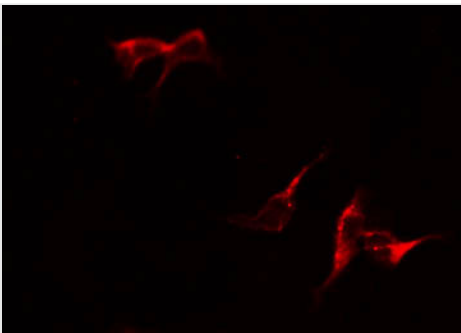
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GPT2 antibody detects endogenous levels of total GPT2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	423
Applicable Applications for anti-GPT2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GPT2
Tissue Specificity	Expressed at high levels in muscle, adipose tissue, kidney and brain and at lower levels in the liver and breast.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Dog
Similarity	Bovine (89%), Horse (89%), Sheep (89%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis GPT2 using Jurkat whole cell lysates



IF (Immunofluorescence)
AAA327833 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GPT2 antibody	Function: Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. Subunit Structure: Homodimer. Similarity: Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. Alanine aminotransferase subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215599424
NCBI GeneID	84706
NCBI Accession #	NP_001135938.1
NCBI GenBank Nucleotide #	NM_001142466.2
UniProt Accession #	Q8TD30; Q8N9E2
Molecular Weight	Observed: 58 kDa Predicted: 58 kDa
NCBI Official Full Name	alanine aminotransferase 2 isoform 2
NCBI Official Synonym Full Names	glutamic--pyruvic transaminase 2
NCBI Official Symbol	GPT2
NCBI Official Synonym Symbols	ALT2; GPT 2; MRT49
NCBI Protein Information	alanine aminotransferase 2
UniProt Protein Name	Alanine aminotransferase 2
UniProt Gene Name	GPT2
UniProt Synonym Gene Names	AAT2; ALT2; ALT2; GPT 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.