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GPT2 Rabbit pAb

Catalog # AP97501

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TD30
Other Accession	Q8TD30
Reactivity	Rat
Predicted	Pig, Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57904
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPT2
Epitope Specificity	101-200/523
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. Alanine aminotransferase subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes one of the two pyridoxal enzymes which catalyze a reversible transamination reaction to yield glutamate and pyruvate so these enzymes participate in amino acid metabolism and gluconeogenesis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Additional Information

Gene ID	84706
Other Names	ALT2; GPT 2; MRT49; NEDSPM; 4631422C05Rik; Cc2-5; ALAT2_HUMAN; GPT2; Glutamate pyruvate transaminase 2 (GPT 2); Glutamic--alanine transaminase 2; Glutamic--pyruvic transaminase 2; 2.6.1.2; AAT2; ALAT2_MOUSE; glutamic pyruvate transaminase 2; alanine aminotransferase 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GPT2 {ECO:0000303|PubMed:25758935, ECO:0000312|HGNC:HGNC:18062}
Function	Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate.
Tissue Location	Expressed at high levels in muscle, adipose tissue, kidney and brain and at lower levels in the liver and breast

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.