

GPT2 Polyclonal Antibody

Description

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| Product type | Primary Antibody |
| Code | BT-AP03784 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | Synthesized peptide derived from GPT2 . at AA range: 190-270 |
| Mol wt | 57904 |
| Species reactivity | Human |
| Clonality | Polyclonal |
| Recommended application | WB, ELISA |
| Concentration | 1 mg/ml |
| Full name | GPT2 Antibody |
| Synonyms | GPT2; AAT2; ALT2; Alanine aminotransferase 2; ALT2; Glutamate pyruvate transaminase 2; GPT 2; Glutamic--alanine transaminase 2; Glutamic--pyruvic transaminase 2 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

GPT2 (glutamic--pyruvic transaminase 2) encodes a mitochondrial alanine transaminase, a pyridoxal enzyme that catalyzes the reversible transamination between alanine and 2-oxoglutarate to generate pyruvate and glutamate. Alanine transaminases play roles in gluconeogenesis and amino acid metabolism in many tissues including skeletal muscle, kidney, and liver. Activating transcription factor 4 upregulates this gene under metabolic stress conditions in hepatocyte cell lines. A loss of function mutation in GPT2 has been associated with developmental encephalopathy. Alternative splicing results in multiple transcript variants.

Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 40000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year

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