

# GPT2 Polyclonal Antibody

Catalog Number:E-AB-19961



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

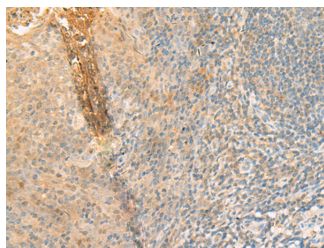
## Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human, Mouse   |
| <b>Immunogen</b>    | Synthetic peptide of human GPT2                        |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Antigen affinity purification                          |
| <b>Conjugation</b>  | Unconjugated   |
| <b>Formulation</b>  | PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4 |

## Applications Recommended Dilution

|              |                |
|--------------|----------------|
| <b>IHC</b>   | 1:25-1:100     |
| <b>ELISA</b> | 1:5000-1:10000 |

## Data



Immunohistochemistry of paraffin-embedded Human tonsil tissue using GPT2 Polyclonal Antibody at dilution of 1:70(×200)

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

This gene 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 this gene has been associated with developmental encephalopathy. Alternative splicing results in multiple transcript variants.

## For Research Use Only

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