GLUD1

Reactivity:Human Mouse Rat

## Tested applications:WB IHC

Recommended Dilution:WB1:500-1:2000 IHC1:100-1:200

## Calculated MW:61kDa

Observed MW:Refer to figures

## Immunogen:

Recombinant protein of human GLUD1

## Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with $0.02 \%$ sodium azide, $50 \%$ glycerol, pH7.3.

## Synonym:

GDH; GDH1; GLUD;

## Background:

This gene encodes glutamate dehydrogenase protein; a mitochondrial matrix enzyme that catalyzes the oxidative deamination of glutamate to alpha-ketoglutarate and ammonia. This enzyme has an important role in regulating amino acid induced insulin secretion and activating mutations in this gene are a common cause of congenital hyperinsulinism. This enzyme is allosterically activated by ADP and inhibited by GTP and ATP. The related glutamate dehydrogenase 2 gene on the human X -chromosome originated from this gene via retrotransposition and encodes a soluble form of glutamate dehydrogenase. Multiple pseudogenes of this gene are present in humans.

To place an order, please Click HERE.

Catalog \#:A7631
Antibody Type:
Polyclonal Antibody
Species:Rabbit
Gene ID:2746
Isotype:IgG
Swiss Prot:P00367
Purity:Affinity purification

For research use only.

