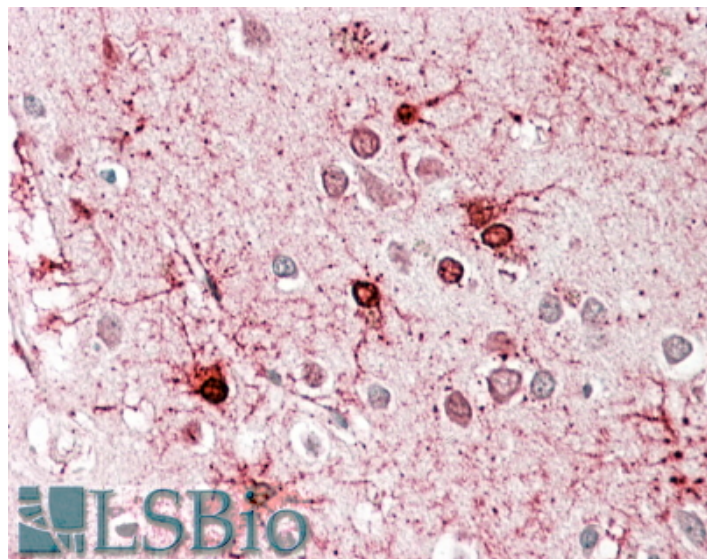


GOAT ANTI-GLUTAMATE DEHYDROGENASE ANTIBODY

SKU: EB09856



SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Unit Size 100 µg

Storage Instructions Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym /

Alias Names GLUD1|MGC132003|glutamate dehydrogenase 1|GLUD|GDH1|GDH

Usage **Immunofluorescence:** Customer found particulate cytoplasm staining in HeLa.

Summary **Additional validation:** This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Accession ID NP_005262.1; NP_036216.2

Blocking Peptide EBP09856

Immunogen Peptide with sequence C-ESEEQKRNVRGILR, from the internal region of the protein sequence according to NP_005262.1; NP_036216.2.

Product Comments This antibody is expected to recognize both reported isoforms (NP_005262.1; NP_036216.2).

Peptide Sequence C-ESEEQKRNVRGILR

Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog, Cow
Reactive Species	Human, Mouse, Rat
Human Gene ID	2746, 2747
Mouse Gene ID	14661
Rat Gene ID	24399
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
IHC Results	In paraffin embedded Human Cerebral Cortex shows mitochondrial staining in neuronal cell bodies and axons. Recommended concentration: 3-5µg/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	Approx 55kDa band observed in Human Brain (Cerebellum) and Mouse Brain lysates and in Human, Mouse and Rat Liver lysates (calculated MW of 61.4kDa according to Human NP_005262.1, of 61.3kDa according to Mouse NP_032159.1 and of 61.4kDa according to Rat NP_036702.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
Application Type	Pep-ELISA, WB, IHC, IF

SELECTED REFERENCES

[{"pmid": 30377371, "intro": "**This antibody has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdigen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}]

DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES

