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EB11100 - Goat Anti-D-amino-acid oxidase (aa286-298) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: DAAO, D-amino-acid oxidase, DAMOX, MGC35381, OXDA, DAO
Official Symbol: DAO
Accession Number(s): NP_001908.3
Human GeneID(s): 1610

Immunogen

Peptide with sequence C-RPQIRLEREQLRT, from the internal region of the protein sequence according to NP_001908.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

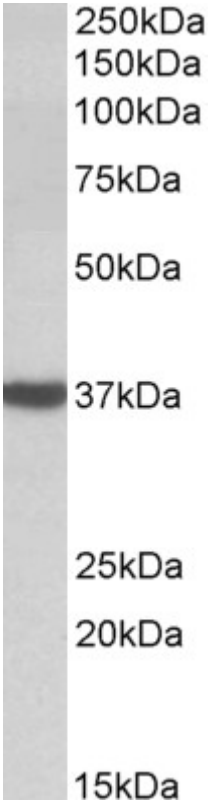
Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Approx 37kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 39.5kDa according to NP_001908.3). Recommended concentration: 0.03-0.01µg/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Dog, Pig, Cow

Specific Reference

This antibody has been successfully used in WB and IF on Mouse:
Sasabe J, Miyoshi Y, Rakoff-Nahoum S, Zhang T, Mita M, Davis BM, Hamase K, Waldor MK
Interplay between microbial D-amino acids and host D-amino acid oxidase modifies murine mucosal defence and gut microbiota
Nat Microbiol. 2016 Jul 25;1(10):16125
PMID: 27670111



EB11100 (0.03µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.