



Anti-DDO monoclonal antibody (DCABH-11239)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | The protein encoded by this gene is a peroxisomal flavoprotein that catalyzes the oxidative deamination of D-aspartate and N-methyl D-aspartate. Flavin adenine dinucleotide or 6-hydroxyflavin adenine dinucleotide can serve as the cofactor in this reaction. Two transcript variants encoding different isoforms have been found for this gene. |
| Immunogen | A synthetic peptide of human DDO is used for rabbit immunization. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Protein A |
| Conjugate | Unconjugated |
| Applications | Western Blot (Transfected lysate); ELISA |
| Buffer | In 1x PBS, pH 7.4 |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | DDO D-aspartate oxidase [Homo sapiens] |
| Official Symbol | DDO |
| Synonyms | DDO; D-aspartate oxidase; aspartic oxidase; D-aspartate oxidase, DDO; DASOX; DDO-1; |

DDO-2; FLJ45203;

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| Entrez Gene ID | 8528 |
| Protein Refseq | NP_003640 |
| UniProt ID | Q99489 |
| Chromosome Location | 6q22.1 |
| Pathway | Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem; |
| Function | D-amino-acid oxidase activity; D-aspartate oxidase activity; D-aspartate oxidase activity; nucleotide binding; oxidoreductase activity; protein binding; |