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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06740 - Goat Anti-DOPA decarboxylase Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: dopa decarboxylase (aromatic L-amino acid decarboxylase),
HGNC:2719, DDC, AADC, aromatic L-amino acid decarboxylase

Official Symbol: DDC

Accession Number(s): NP_000781.1; NP_001229815.1; NP_001229816.1;
NP_001229817.1; NP_001229818.1

Human GeneID(s): [1644](#)

Important Comments: This antibody is expected to recognise isoforms 1, 2, 3, 4 and 5
(NP_000781.1; NP_001229815.1; NP_001229816.1; NP_001229817.1; NP_001229818.1
respectively). Reported variants represent identical protein (NP_000781.1;
NP_001076440.1).

Immunogen

Peptide with sequence C-WEHIKELAADV L, from the C Terminus of the protein sequence
according to NP_000781.1; NP_001229815.1; NP_001229816.1; NP_001229817.1;
NP_001229818.1.

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 1:8000.

Western blot: Approx 50kDa band observed in Human Kidney lysates and 48kDa on
Human Brain lysates (calculated MW of 53.9kDa according to NP_000781.1).

Recommended concentration: 0.03-0.1µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB06740 (0.03 μ g/ml) staining of Human Kidney lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.