



## UK Office

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