

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries:

info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB07357 - Goat Anti-COMT (internal) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: COMT, catechol-O-methyltransferase Official Symbol: COMT Accession Number(s): NP_000745.1; NP_009294.1 Human GenelD(s): <u>1312</u> Important Comments: This antibody is expected to recognise both reported isoforms (NP_000745.1 and NP_009294.1)

Immunogen

Peptide with sequence C-QDIIPQLKKKYDVD, from the internal region of the protein sequence according to NP_000745.1; NP_009294.1.

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 1:64000.

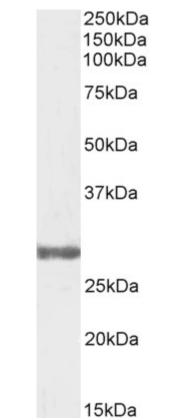
Western blot: Approx 28kDa band in Human Testis lysates (calculated MW of 30.0kDa according to NP_000745.1 and 24.5kDa according to NP_009294.1). Recommended concentration: 0.03-0.1µg/ml.

IHC: In paraffin embedded Human Brain (Cerebellum) shows staining of processes coming from the edge of the granular zone into the molecular layer. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Testis and Small Intestine. Recommended concentration: 3.75µg/ml.

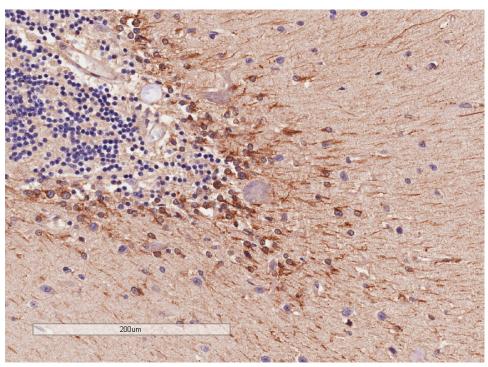
Species Reactivity

Tested: Human Expected from sequence similarity: Human

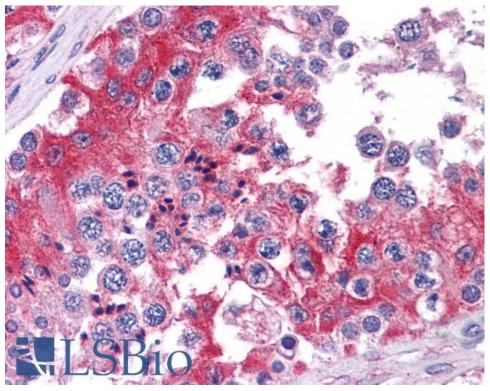




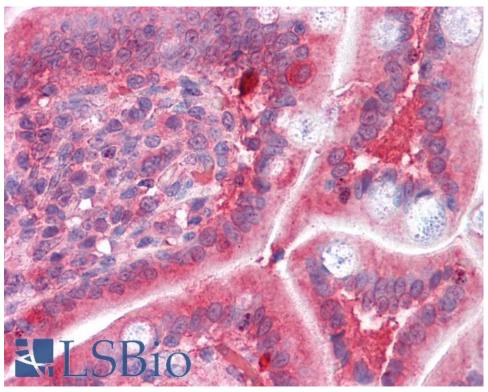
EB07357 (0.3µg/ml) staining of Human Testis lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB07357 (4µg/ml) staining of paraffin embedded Human Cerebellum. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



EB07357 (3.75µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07357 (3.75µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.