

## UK Office

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**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 GeneID(s):** [1312](#)

**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.

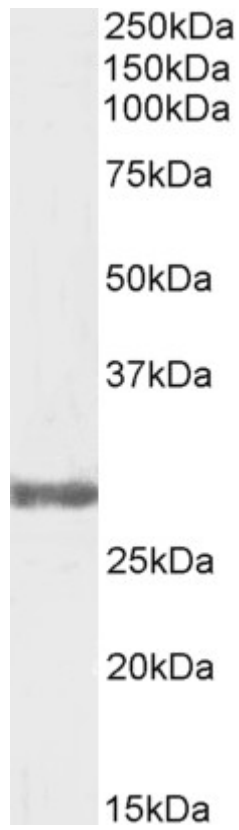
**IHC:** In paraffin embedded Human Brain (Cerebellum) shows staining of processes coming from the edge of the granular zone into the molecular layer. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Testis and Small Intestine.

Recommended concentration: 3.75µg/ml.

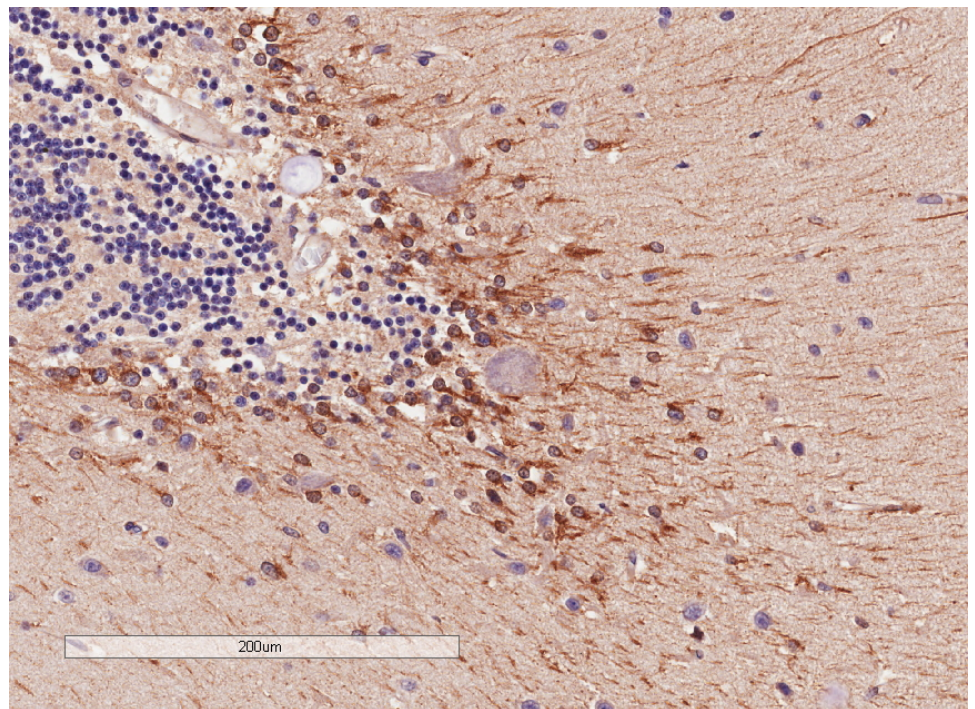
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

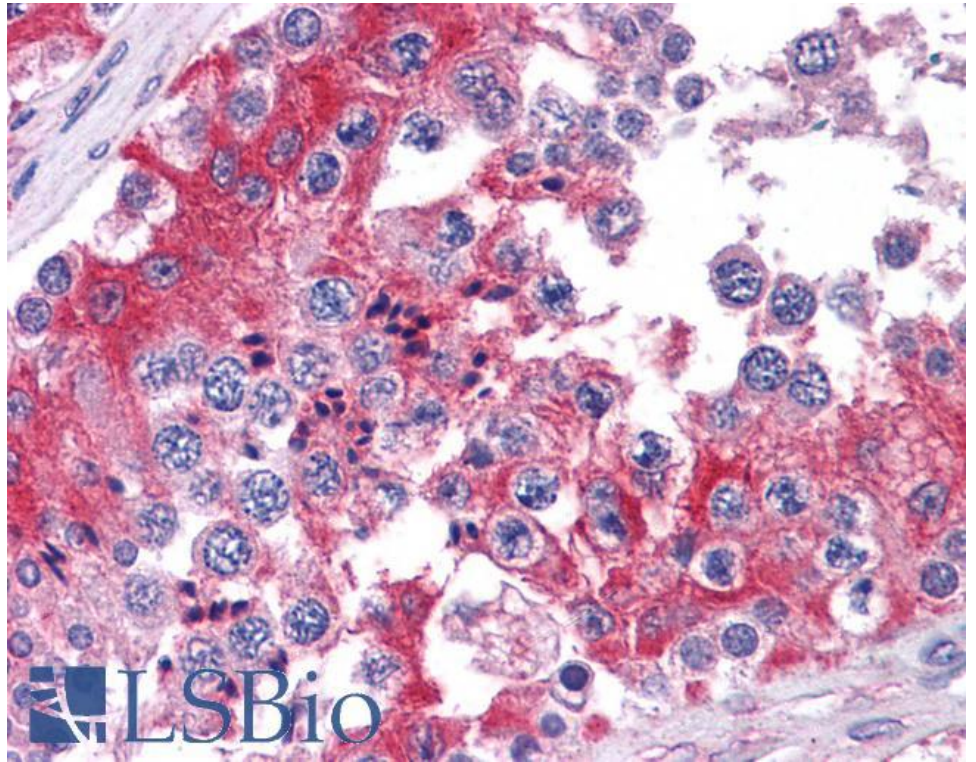


EB07357 (0.3 $\mu$ g/ml) staining of Human Testis lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

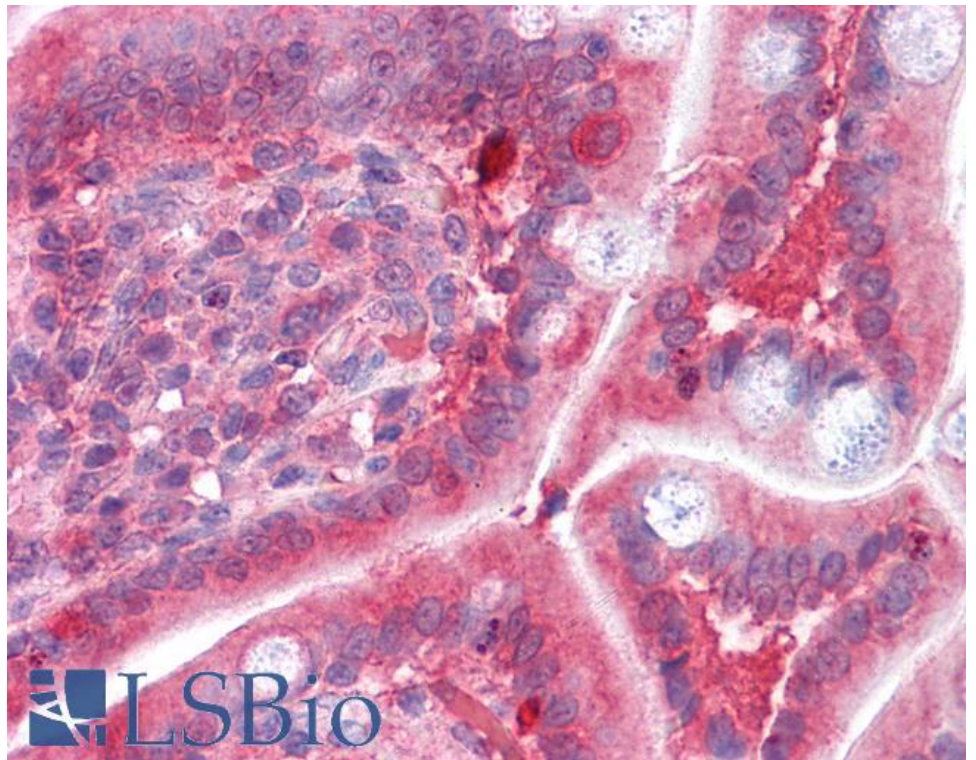


EB07357 (4 $\mu$ g/ml) staining of paraffin embedded Human Cerebellum. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.





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.