

Goat anti-COMT (internal) Antibody

Item Number	dAP-0900
Target Molecule	Principle Name: COMT (internal); Official Symbol: COMT; All Names and Symbols: COMT; catechol-O-methyltransferase; Accession Number (s): NP_000745.1; NP_009294.1; Human Gene ID(s): 1312; Non-Human GenID(s):
Immunogen	QDIIPQLKKYDWD, is from internal region This antibody is expected to recognise both reported isoforms (NP_000745.1 and NP_009294.1)
Applications	Pep ELISA, WB, EIA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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	Immunohistochemistry: 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. R
Reference	Reference(s): Tunbridge EM, Harrison PJ, Weinberger DR. Catechol-o-Methyltransferase, Cognition, and Psychosis: Val(158)Met and Beyond. <i>Biol Psychiatry</i> . 2006 Feb 11; [Epub ahead of print]. PMID: 16476412 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**