

Goat anti-COMT (N Terminus) Antibody

Item Number	dAP-0669
Target Molecule	Principle Name: COMT (N Terminus); Official Symbol: COMT; All Names and Symbols: COMT; catechol-O-methyltransferase; OTTHUMP00000197749; OTTHUMP00000197750; Accession Number (s): NP_000745.1; NP_001128633.1; NP_001128634.1; NP_009294.1; Human Gene ID(s): 1312; Non-Human GeneID(s):
Immunogen	GDTKEQRILNHVLQC, is from N Terminus This antibody is expected to recognise both reported isoforms. Variants (NP_000745.1; NP_001128633.1; NP_001128634.1) encode the same isoform.
Applications	Pep ELISA, WB 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 8000.
Western Blot	Western Blot: Approx 26kDa plus 29kDa bands observed in Human Testis lysates (calculated MW of 30.0kDa according to NP_000745.1 and of 24.5kDa according to NP_009294.1). Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Tunbridge EM, Harrison PJ, Weinberger DR. Catechol-o-Methyltransferase, Cognition, and Psychosis: Val(158)Met and Beyond. Biol Psychiatry. 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 ender users! This product is sold for **Research Use Only**