

Anti-COMT antibody (51-271 aa) (STJ11106950)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

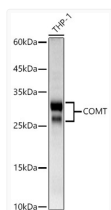
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 30kDa Observed Mw: 28, 30kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

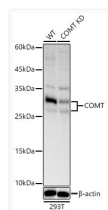
Gene ID	1312
Gene Symbol	COMT
UniProt ID	COMT_HUMAN
Immunogen Region	51-271 aa
Immunogen Sequence	MGDTKEQRILNHVLQHAEPG NAQSVLEAIDTYCEQKEWAM NVGDKKGGKIVDAVIQEHQPS VLELGAYCGYSAVRMARLL SPGARLITIEINPDCAAITQ RMVDFAGVKDKVTLVVGASQ DIIPQLKKKYDVTLDMMVFL DHWKDRYLPDTLLLEECGLL RKGTVLLADNVICPGAPDFL AHVRGSSCFECTHYQSFLY REVVDGLEKAIYKGGPGSEAG P
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 51-271 of human COMT. (NP_000745.1).

ADDITIONAL INFORMATION

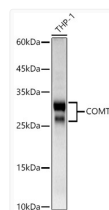
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



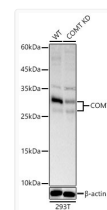
Western blot analysis of lysates from THP-1 cells using [KD Validated] COMT Rabbit pAb (STJ11106950) at 1:700 dilution. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 10s.



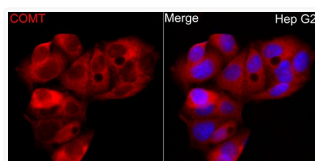
Western blot analysis of lysates from wild type (WT) and COMT knockdown (KD) 293T cells using [KD Validated] COMT Rabbit pAb (STJ11106950) at 1:700 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 10s.



Western blot analysis of lysates from THP-1 cells using [KD Validated] COMT Rabbit pAb (STJ11106950) at 1:700 dilution. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 10s.



Western blot analysis of lysates from wild type (WT) and COMT knockdown (KD) 293T cells using [KD Validated] COMT Rabbit pAb (STJ11106950) at 1:700 dilution. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection:ECL Basic Kit Exposurertime: 10s.



Immunofluorescence analysis of HepG2 cells using [KD Validated] COMT Rabbit pAb (STJ11106950) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.