

MAJ365Ra21

Monoclonal Antibody to Catechol-O-Methyltransferase (COMT)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C4

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Cross Reactivity: N/A

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant COMT (Gly63~Ser264) expressed in *E.coli*

Accession No.: RPJ365Ra01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-30µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

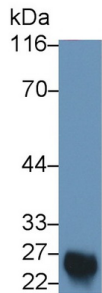
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

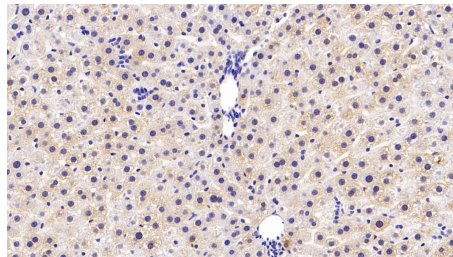
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

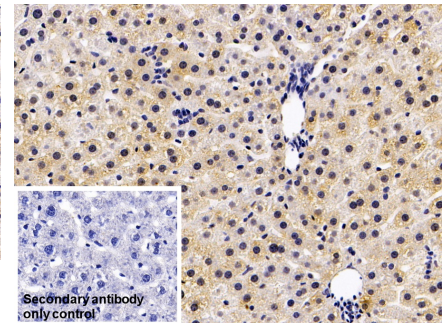


Western Blot; Sample: Rat Liver lysate
 Primary Ab: 0.2µg/ml Mouse Anti-Rat
 COMT Antibody Second Ab: 0.2µg/mL
 HRP-Linked Caprine Anti-Mouse IgG
 Polyclonal Antibody (Catalog:
 SAA544Mu19)



DAB staining on IHC-P; Sample: Rat

Liver Tissue; Primary Ab: 30µg/ml
 Mouse Anti-Rat COMT Antibody
 Second Ab: 2µg/mL HRP-Linked
 Caprine Anti-Mouse IgG Polyclonal
 Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P;
 Sample: Rat Liver Tissue
 Primary Ab: 30µg/ml Mouse Anti-Rat
 COMT Antibody
 Control: Used PBS instead of primary
 antibody
 Second Ab: 2µg/ml HRP-Linked
 Caprine Anti-Mouse IgG Polyclonal
 Antibody
 (Catalog: SAA544Mu19)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.