SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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EB06595 - Goat Anti-COMT (N Terminus) 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_001128633.1; NP_001128634.1; NP_009294.1
Human GeneID(s): 1312
Important Comments: This antibody is expected to recognise both reported isoforms S-COMT NP_009294.1 and MB-COMT NP_000745.1; NP_001128633.1; NP_001128634..

Immunogen

Peptide with sequence GDTKEQRILNHVLQC, from the N Terminus of the protein sequence according to NP_000745.1; NP_001128633.1; NP_001128634.1; 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 1:4000.
Western blot: Approx 25kDa band observed in Human Liver and Ovary lysates and in MCF7 cell lysates, and approx. 25kDa and 30kDa in U251 cell lysate (calculated MW of 30.0kDa according to NP_000745.1(MB COMT) and 24.5kDa according to NP_009294.1 (S-COMT). Recommended concentration: 0.3-2µg/ml. Primary incubation 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

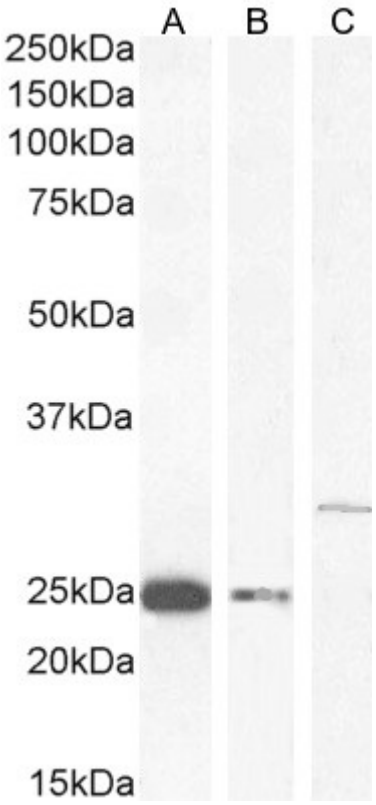
Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Dog

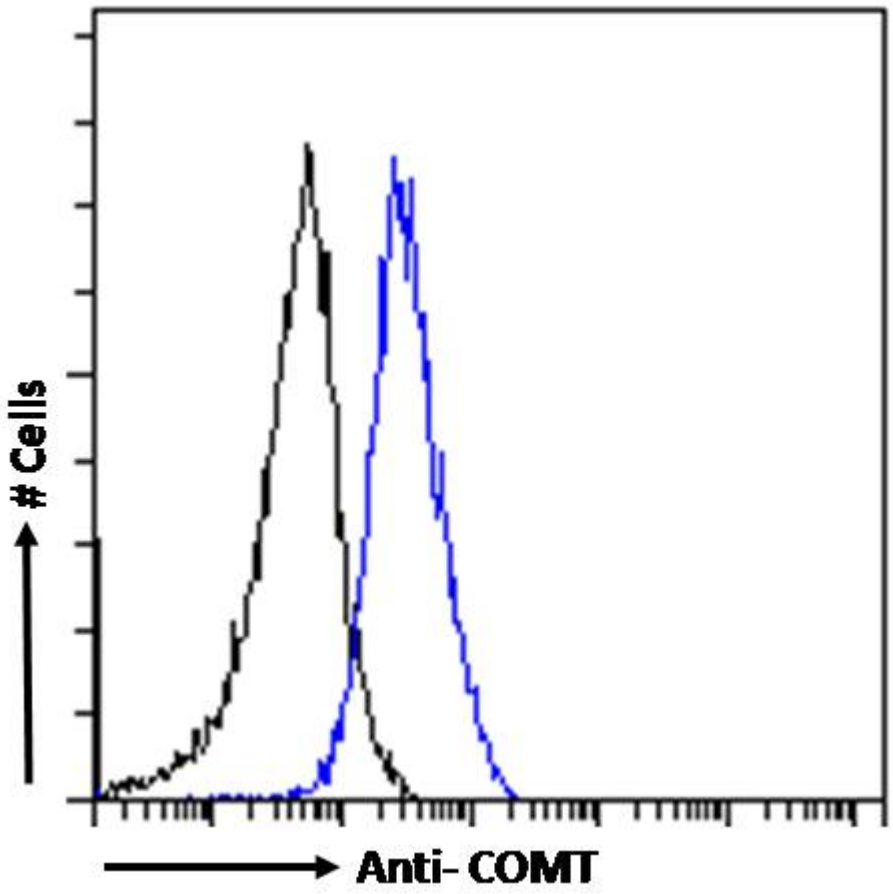
Specific Reference

This antibody has been successfully used in the following paper:
Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen
A high-throughput pipeline for validation of antibodies
Nat Methods. 2018 Nov;15(11):909-912
PMID: 30377371

EB06595, (2ug/ml) staining of Human Liver (A) and (1ug/ml) Ovary (B) lysate (35µg protein in RIPA buffer) Detected by chemiluminescence.



EB06595 (0.5ug/ml) staining of MCF7 (A), (1ug/ml) U251 cell lysate 1 (B) and U251 cell lysate 2 (C) (35µg protein in RIPA buffer) Detected by chemiluminescence.



EB06595 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.