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GOAT ANTI-COMT (N TERMINUS) ANTIBODY

SKU: EB06595

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SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	catechol-O-methyltransferase|COMT
Usage Summary	Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.
Accession ID	NP_000745.1; NP_001128633.1; NP_001128634.1; NP_009294.1
Blocking Peptide	EBP06595
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.
Product 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..
Peptide Sequence	GDTKEQRILNHVLQC
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Dog
Reactive Species	Human
Human Gene ID	1312
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	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.
Application Type	Pep-ELISA, WB, FC

SELECTED REFERENCES

[{"pmid": 30377371, "intro": "**This antibody has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "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", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES

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