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GOAT ANTI-VMAT2 / SLC18A2 ANTIBODY

SKU: EB06558

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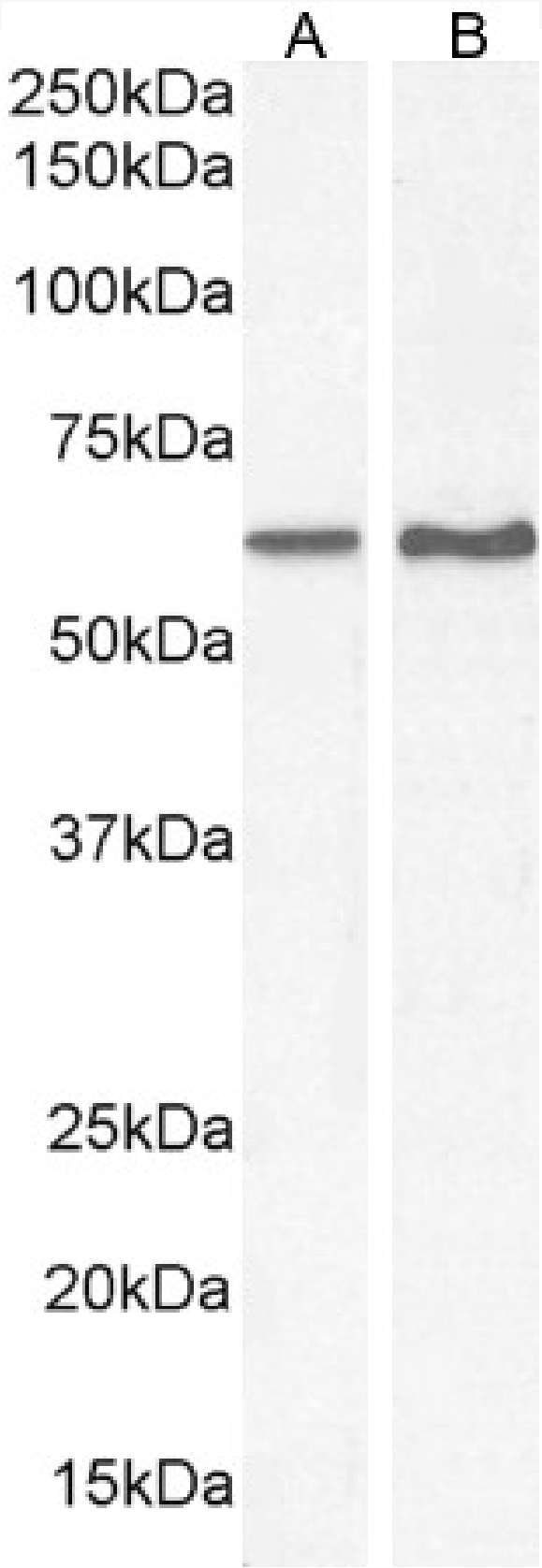

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SPECIFICATIONS

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	solute carrier family 18 (vesicular monoamine), member 2|VAT2|SVMT|SVAT|SLC18A2|VMAT2
Accession ID	NP_003045.2
Blocking Peptide	EBP06558
Immunogen	Peptide with sequence C-SYPIGEDEESESD, from the C Terminus of the protein sequence according to NP_003045.2.
Peptide Sequence	C-SYPIGEDEESESD
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, Mouse, Rat
Reactive Species	Human
Human Gene ID	6571
Mouse Gene ID	214084
Rat Gene ID	25549
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 1:2000.
Western Blot	Approx 60kDa band observed in lysates of cell lines K562 and Jurkat (calculated MW of 55.7kDa according to NP_003045.2). This band was successfully blocked by incubation with the immunizing peptide. Recommended concentration 1-3ug/ml. Primary incubation 1 hour at room temperature. A batch specific positive control lysate is available for this product. Please contact Sales@everestbiotech.com for availability. This product has been successfully used by a customer showing a band at approx. 55-60kDa in Mouse Fetal Brain lysates (calculated MW of 55.8kDa according to NP_766111.1), at primary ab concentration of 2ug/ml.
Application Type	Pep-ELISA, WB

SELECTED REFERENCES

[{"pmid": 31955909, "intro": "**This antibody (previous batch) has been successfully used in IF on Rat:**", "title": "Differences in the expression of catecholamine-synthesizing enzymes between vesicular monoamine transporter 1- and 2-immunoreactive glomus cells in the rat carotid body", "author": "Kato K, Yokoyama T, Kusakabe T, Hata K, Fushuku S, Nakamuta N, Yamamoto Y", "journal": "Acta Histochem. 2020 Jan 16:151507."}, {"pmid": 35977516, "intro": "**This antibody (previous batch) has been successfully used in the following paper:**", "title": "Cocaine increases quantal norepinephrine secretion through NET-dependent PKC activation in locus coeruleus neurons.", "author": "Feipeng Zhu, Lina Liu, Jie Li, Bing Liu, Qinglong Wang, Ruiying Jiao, Yongxin Xu, Lun Wang, Suhua Sun, Xiaoxuan Sun, Muhammad Younus, Changhe Wang, Tomas Hökfelt, Bo Zhang, Howard Gu, Zhi-Qing David Xu, Zhuan Zhou", "journal": "Cell Rep. 2022 Aug 16;40(7):111199."}, {"pmid": 32272060, "intro": "**This antibody (previous batch) has been successfully used in IF on Mouse:**", "title": "Glia-to-Neuron Conversion by CRISPR-CasRx Alleviates Symptoms of Neurological Disease in Mice.", "author": "Haibo Zhou et al.", "journal": "Cell. 2020 Apr 30;181(3):590-603.e16."}, {"pmid": 33352233, "intro": "**This antibody (previous batch) has been successfully used in IHC on Rat:**", "title": "PET imaging reveals early and progressive dopaminergic deficits after intra-striatal injection of preformed alpha-synuclein fibrils in rats", "author": "Majken B Thomsen, Sara A Ferreira, Anna C Schacht, Jan Jacobsen, Mette Simonsen, Cristine Betzer, Poul H Jensen, David J Brooks, Anne M Landau, Marina Romero-Ramos", "journal": "Neurobiol Dis. 2021 Feb;149:105229."}, {"pmid": 25664911, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Rat:**", "title": "Dopaminergic and glutamatergic microdomains within a subset of rodent mesoaccumbens axons.", "author": "Shiliang Zhang, Jia Qi, Xueping Li, Hui-Ling Wang, Jonathan P. Britt, Alexander F. Hoffman, Antonello Bonci, Carl R. Lupica, and Marisela Morales.", "journal": "Nat Neurosci. 2015 March;18(3):386–392."}, {"pmid": 32730640, "intro": "**This antibody (previous batch) has been successfully used in WB on Rat:**", "title": "Dopamine promotes the neurodegenerative potential of ?-synuclein.", "author": "Anupam Raina, Kristian Leite, Sofia Guerin, Sameehan U Mahajani, Kalyan S Chakrabarti, Diana Voll, Stefan Becker, Christian Griesinger, Mathias Bähr, Sebastian Kügler", "journal": "J Neurochem. 2021 Mar;156(5):674-691."}, {"pmid": 38155767, "intro": "**This antibody (previous batch) has been successfully used in ICC on Mouse:**", "title": "Inhibition of 7?,26-dihydroxycholesterol biosynthesis promotes midbrain dopaminergic neuron development.", "author": "James Hennegan, Aled H. Bryant, Lauren Griffiths, Emma L. Lane, Mariah J. Lelos, Spyridon Theofilopoulos", "journal": "iScience. 2024 Jan 19; 27(1): 108670."}]

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DOCUMENTS

- Data Sheet

GALLERY IMAGES