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HIGH PERFORMANCE ANTIBODIES ... AND MORE

SV2A Antibody

CATALOG NUMBER: 46-452

Western blot analysis of SV2A in rat brain lysate (35 ug protein in RIPA buffer) using SV2A Antibody at 0.3 ug/mL.

Specifications

SPECIES REACTIVITY:	Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: Antibody detection limit dilution 1:64,000. Western Blot: Approximately 80 kDa band observed in rat brain lysates (calculated MW of 82.6 kDa according to NP_476558.1 (rat). Recommended concentration: 0.3-1 ug/mL. an additonal band of unknown identity was also consistently observed at 28 kDa . This band was successfully blocked by incubation with the immunizing peptide.
POSITIVE CONTROL:	1) Cat. No. 1463 - Rat Brain Tissue Lysate
IMMUNOGEN:	SV2A antibody was raised against a 13 amino acid synthetic peptide near the internal region of SV2A.
HOST SPECIES:	Goat

Properties

PURIFICATION:	SV2A antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	SV2A antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	SV2A, synaptic vesicle glycoprotein 2A, KIAA0736, SV2, synaptic vesicle glycoprotein 2, PSEC0174
ACCESSION NO.:	NP_055664.2
PROTEIN GI NO.:	41281524
OFFICIAL SYMBOL:	SV2A
GENE ID:	9900

Background

REFERENCES: 1) Dong M, Yeh F, Tepp WH, Dean C, Johnson EA, Janz R, Chapman ER. SV2 is the protein receptor for botulinum neurotoxin A. Science. 2006 Apr 28;312(5773):592-6. Epub 2006 Mar 16.

FOR RESEARCH USE ONLY

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