

#### **International Office**

Everest Biotech Ltd Vector Laboratories, Inc.

6737 Mowry Ave Newark, CA 94560 United States

Customer Service: <u>customerservice@vectorlabs.com</u> Technical Service: <u>technical@vectorlabs.com</u>

Tel: +1 (800) 227-6666

www.everestbiotech.com

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# EB07430 - Goat Anti-SV2A Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: SV2A, synaptic vesicle glycoprotein 2A, KIAA0736, SV2, synaptic vesicle glycoprotein 2 Official Symbol: SV2A Accession Number(s): NP\_055664.3; NP\_001265648.1 Human GenelD(s): <u>9900</u> Non-Human GenelD(s): 64051 (mouse), 117559 (rat)

#### Immunogen

Peptide with sequence C-TVELYPSDKRTTA, from the internal region of the protein sequence according to NP\_055664.3; NP\_001265648.1.

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**

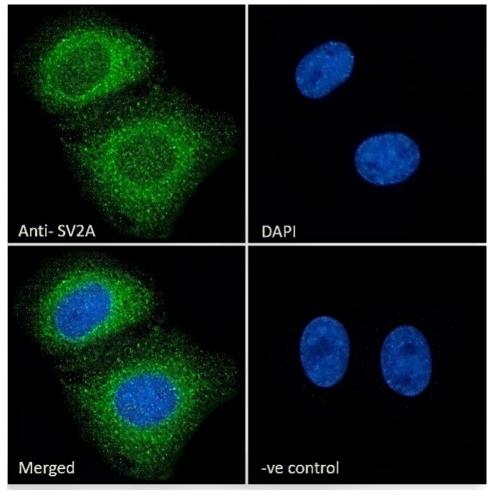
Peptide ELISA: antibody detection limit dilution 1:1000.

Western blot: Preliminary testing showed a band at approx 80kDa in Mouse and Rat Brain lysate after 1.5µg/ml antibody staining (calculated MW of 82.6kDa according to Mouse NP\_071313.1 and Rat NP\_476558.2). Primary incubation 1 hour at room temperature.

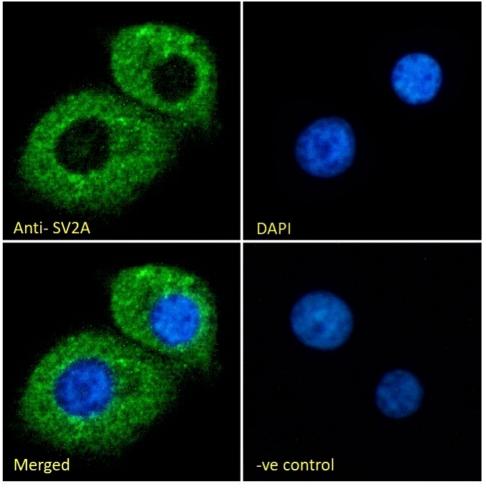
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of U2OS and KNRK cells. Recommended concentration: 10µg/ml.

## **Species Reactivity**

Tested: Human, Rat Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB07430 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07430 Immunofluorescence analysis of paraformaldehyde fixed KNRK cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).