



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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 GeneID(s):** [9900](#)

**Non-Human GeneID(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).