

## NSG1 Antibody, pAb, Rabbit

**Cat. No.:** A01442-40

**Size:** 40 µg

**Synonyms:** Rabbit Anti-NSG1 Polyclonal Antibody;

### Description:

NSG1, also known as Neuron-specific protein family member 1, contains an N-terminal nuclear localization motif and a central hydrophobic segment. NSG1 localizes to the nucleus in mitotic neuronal cell cultures and to the cytoplasm in postmitotic neurons. Mouse and human NSG1 share 97% sequence identity and they differs from each other by only 5 amino acid residues. The protein is expressed in all regions of rat brain. In hamster, it was preferentially expressed in adult brain.

GenScript **Rabbit Anti-NSG1 Polyclonal Antibody** is developed in rabbit using purified His-tagged human NSG1 (Swiss Prot: P42857) full length recombinant protein.

**Immunogen:** Purified His-tagged human NSG1 (Swiss Prot: P42857) full length recombinant protein.

**Host:** Rabbit

**Antigen Synonyms:** Human

**Conjugation:** Unconjugated

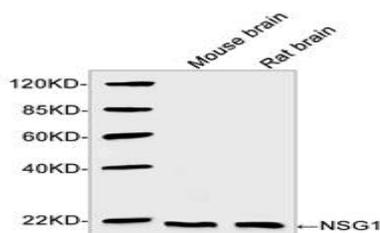
### Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

**Ig Subclass:** Rabbit IgG

**Specificity:** GenScript Rabbit Anti-NSG1 Polyclonal Antibody detects endogenous levels of human, mouse, and rat

### Example



NSG1.

**Positive Control:** mouse brain and rat brain.

**Purification:** Immunoaffinity chromatography

### Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

**ELISA:** 0.05-0.2 µg/ml

**Western blot:** 0.5-1 µg/ml

**Immunoprecipitation (IP):** 2-10 µg/mg of lysate

**Flow cytometry:** 1-3 µg for 1 x 10<sup>6</sup> cells

**Other Applications:** user-optimized

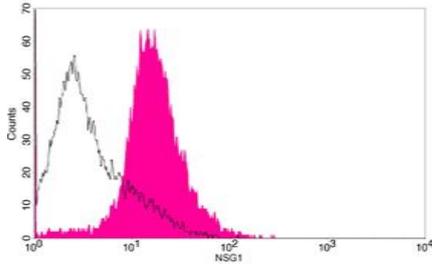
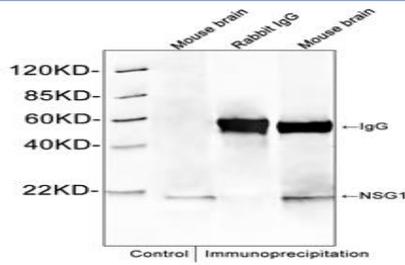
**Species Reactivity:** Human, mouse, and rat. This product has not been tested for other species yet.

### Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to antibody concentration of 0.5 mg/ml.

### Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



Flow cytometric analysis of Ramos cells using NSG1 Antibody, pAb, Rabbit (GenScript, A01442; shaded histogram) or with an isotype control antibody (GenScript, A01008; open histogram), followed by R-PE conjugated anti-rabbit IgG.