

## ARG44167 anti-NSG1 / D4S234E antibody

Package: 50 µg

Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes NSG1 / D4S234E
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NSG1 / D4S234E
Species	Human
Immunogen	Recombinant protein of Human NSG1 / D4S234E
Conjugation	Un-conjugated
Alternate Names	NSG1; Neuronal Vesicle Trafficking Associated 1; NEEP21; D4S234E; P21; Neuronal Vesicle Trafficking-Associated Protein 1; Neuron-Enriched Endosomal Protein Of 21 KDa; Neuron-Specific Protein Family Member 1; Neuron Specific Gene Family Member 1; D4S234; Carboxyterminally EE-Tagged Neuron-Enriched Endosomal 21 KDa Protein; DNA Segment On Chromosome 4 (Unique) 234 Expressed Sequence; Neuron-Enriched Endosomal Protein Of 21 KD; Brain Neuron Cytoplasmic Protein

### Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg / 10 <sup>6</sup> cells
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

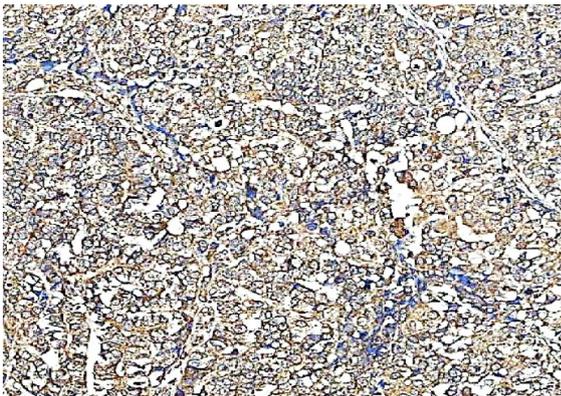
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

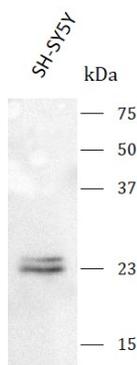
Gene Symbol	NSG1
Gene Full Name	Neuronal Vesicle Trafficking Associated 1
Background	Predicted to enable clathrin light chain binding activity. Involved in apoptotic process. Located in endoplasmic reticulum.
Function	Plays a role in the recycling mechanism in neurons of multiple receptors, including AMPAR, APP and L1CAM and acts at the level of early endosomes to promote sorting of receptors toward a recycling pathway. Regulates sorting and recycling of GRIA2 through interaction with GRIP1 and then contributes to the regulation of synaptic transmission and plasticity by affecting the recycling and targeting of AMPA receptors to the synapse.
Calculated Mw	21 kDa
Cellular Localization	Cell projection, Cytoplasmic vesicle, Endoplasmic reticulum, Endosome, Golgi apparatus, Lysosome, Membrane

## Images



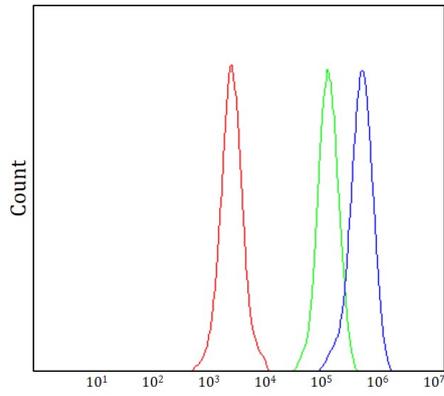
ARG44167 anti-NSG1 / D4S234E antibody IHC-P image

Immunohistochemistry: Human bladder urothelial carcinoma stained with ARG44167 anti-NSG1 / D4S234E antibody at 2  $\mu\text{g}/\text{mL}$  dilution.



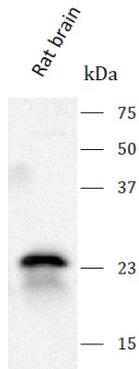
ARG44167 anti-NSG1 / D4S234E antibody WB image

Western blot: SH-SY5Y stained with ARG44167 anti-NSG1 / D4S234E antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



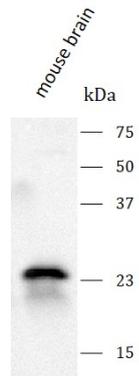
#### ARG44167 anti-NSG1 / D4S234E antibody FACS image

Flow Cytometry: JK cells stained with ARG44167 anti-NSG1 / D4S234E antibody at 1  $\mu\text{g}/1 \times 10^6$  cells dilution.



#### ARG44167 anti-NSG1 / D4S234E antibody WB image

Western blot: Rat brain stained with ARG44167 anti-NSG1 / D4S234E antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



#### ARG44167 anti-NSG1 / D4S234E antibody WB image

Western blot: Mouse brain stained with ARG44167 anti-NSG1 / D4S234E antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



#### ARG44167 anti-NSG1 / D4S234E antibody IHC-P image

Immunohistochemistry: Human large B-cell lymphoma stained with ARG44167 anti-NSG1 / D4S234E antibody at 2  $\mu\text{g}/\text{mL}$  dilution.