

DATASHEET

Version: 2016-08-17

PSD95 antibody, pAb, Rabbit

Cat. No.: A01501-40

Size: 40 µg

Synonyms: SAP90 antibody ; Postsynaptic density protein 95 antibody

Description:

PSD95 (Postsynaptic Density protein 95) is one member of the membrane-associated guanylate kinase (MAGUK) family. PSD95 participates in the assembly of the postsynaptic density complex and is involved in synaptic targeting of AMPA receptors. It interacts with the cytoplasmic tail of NMDA receptor subunits and shaker-type potassium channels. And PSD95 is required for synaptic plasticity associated with NMDA receptor signaling. GenScript Rabbit Anti-PSD95 Polyclonal Antibody is developed in rabbit using a KLH-coupled synthetic peptide within residues 450~500 of human PSD95 (Swiss Prot: P78352).

Immunogen: KLH-coupled synthetic peptide within residues 450~500 of human PSD95 (Swiss Prot: P78352).

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Predicated Band Size:

95 KD

Observed Band Size:

90 KD

Formulation:

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

sodium azide.

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-PSD95 Polyclonal Antibody detects endogenous levels of rat and mouse PSD95. Predicted to react with human PSD95 according to sequence homology.

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. Western blot: 0.5-1 µg/ml. Other Applications: user optimized.

Species Reactivity: Mouse and rat

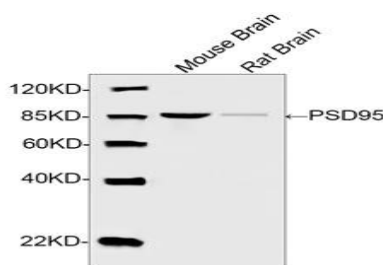
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an 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.

Example



Western blot analysis of tissue lysates using Rabbit Anti-PSD95 Polyclonal Antibody (GenScript, A01501, 1 µg/ml) The signal was developed with IRDye™/SUP> 800 Conjugated Goat Anti-Rabbit IgG. Predicted Size: 95 KD Observed Size: 90 KD