

DATASHEET

Version: 2016-08-17

Parvalbumin Antibody, pAb, Rabbit

Cat. No.: A01439-40

Size: 40 µg

Synonyms: Rabbit Anti-PVALB antibody;

Description:

Parvalbumin (PV) is a calcium binding protein. It belongs to a larger group of EF hand proteins and consists of a single, unbranched chain of linked amino acids. Parvalbumin participates in the decay of calcium in the contraction/relaxation cycle of fast twitch muscles. And it is implicated in maintaining the balance between excitation and inhibition in the cortex as well as in the hippocampus. It is also expressed in specific muscle fibers and fast-firing neurons.

GenScript **Rabbit Anti-Parvalbumin Polyclonal Antibody** is developed in rabbit using purified His-tagged human Parvalbumin (Swiss Prot: P20472) full length recombinant protein.

Immunogen: Purified His-tagged human Parvalbumin (Swiss Prot: P20472) 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-Parvalbumin Polyclonal

Antibody detects endogenous levels of human, mouse, and rat Parvalbumin.

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

Other Applications: user-optimized

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

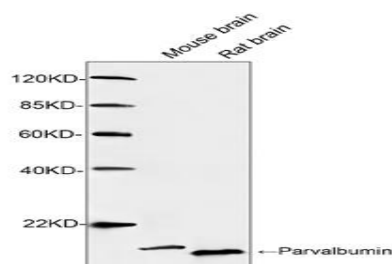
Reconstitution:

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

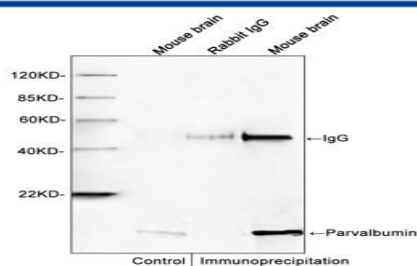
Storage:

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.

Example



Western blot analysis of tissue lysates using 1 µg/ml Rabbit Anti-Parvalbumin Polyclonal Antibody (GenScript, A01439). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.
Predicted Size: 12 kD
Observed Size: 12 kD



Western blot analysis of immunoprecipitates from mouse brain lysates. Parvalbumin was immunoprecipitated with Rabbit Anti-Parvalbumin Polyclonal Antibody (GenScript, A01439) and specificity was confirmed by immunoprecipitation with rabbit IgG.

Western blot was performed using Rabbit Anti-Parvalbumin Polyclonal Antibody (GenScript, A01439).