antibodies

Datasheet for ABIN2017589 anti-PVALB antibody

2 Images



Overview

Quantity:	100 µg
Target:	PVALB
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Purified His-tagged human Parvalbumin full length recombinant protein.
Isotype:	lgG
Specificity:	Rabbit Anti-Parvalbumin Polyclonal Antibody detects endogenous levels of human, mouse, and rat Parvalbumin.Positive Control: Mouse brain and rat brain.
Purification:	Immunoaffinity chromatography

Target Details

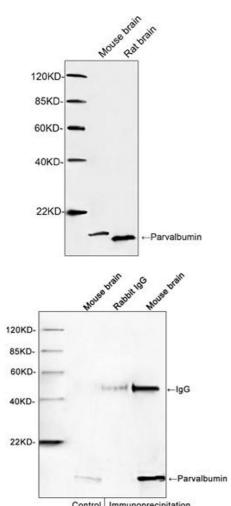
Target:	PVALB
Alternative Name:	Parvalbumin (PVALB Products)
Background:	Parvalbumin (PV) is a calcium binding protein. It belongs to a larger group of EF hand proteins and consists of a single, unbranched chain of linked amino acids. Parvalbumin participates in
	the decay of calcium in the contraction/ relaxation cycle of fast twitch muscles. And it is
	implicated in maintaining the balance between excitation and inhibition in the cortex as well as

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Application Details

Application Notes:	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/mLImmunoprecipitation (IP): 2-10 µg/mg of lysateOther Applications:
	user-optimized
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	PBS, pH 7.4, containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled.
	Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or
	eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a
	physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute
	azide-containing compounds in running water before discarding to avoid accumulation of
	potentially explosive deposits in lead or copper plumbing.
Storage:	4 °C/-20 °C
Storage Comment:	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.

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Control Immunoprecipitation

Western Blotting

Image 1. Western blot analysis of tissue lysates using 1 µg/mL Rabbit Anti-Parvalbumin Polyclonal Antibody (ABIN398923) The signal was developed with IRDye-800 Conjugated Goat Anti-Rabbit IgG.Predicted Size: 12 kDObserved Size: 12 kD

Western Blotting

Image 2. Western blot analysis of immunoprecipitates from mouse brain lysates. Parvalbumin was immunoprecipitated withRabbit Anti-Parvalbumin Polyclonal Antibody (ABIN398923) and specificity was confirmed by immunprecipitation with rabbit IgG.Western blot was performed using Rabbit Anti-Parvalbumin Polyclonal Antibody (ABIN398923).

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