

Goat Anti-Parvalbumin Antibody
Peptide-affinity purified goat antibody
Catalog # AF1789a**Specification**

Goat Anti-Parvalbumin Antibody - Product Information

Application	WB, E
Primary Accession	P20472
Other Accession	NP_002845 , 5816
Reactivity	Human, Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	12059

Goat Anti-Parvalbumin Antibody - Additional Information**Gene ID** 5816**Other Names**

Parvalbumin alpha, PVALB

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Parvalbumin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Parvalbumin Antibody - Protein Information**Name** PVALB**Function**

In muscle, parvalbumin is thought to be involved in relaxation after contraction (By similarity). It binds two calcium ions (PubMed:15122922, PubMed:<a href="http://www.uniprot.org/citations/39584689"

target="_blank">39584689).

Goat Anti-Parvalbumin Antibody - Protocols

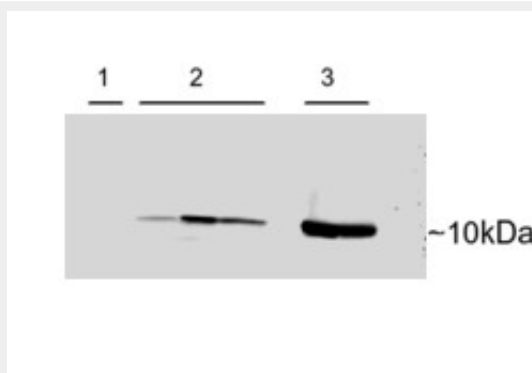
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Parvalbumin Antibody - Images



AF1789a (0.1 µg/ml) staining of Human Brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1789a (0.15 µg/ml) staining of adenovirus-mediated gene transfer in rat heart cells 1) Untransfected, 2) transient transfection with Human PVALB. 3) Untransfected rat skeletal muscle. Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Parvalbumin Antibody - Background

The protein encoded by this gene is a high affinity calcium ion-binding protein that is structurally

and functionally similar to calmodulin and troponin C. The encoded protein is thought to be involved in muscle relaxation.

Goat Anti-Parvalbumin Antibody - References

Parvalbumin: Targeting calcium handling in cardiac diastolic dysfunction. Wang W, et al. Gen Physiol Biophys, 2009. PMID 20093724.
Evaluating PVALB as a candidate gene for SLC12A3-negative cases of Gitelman's syndrome. Riveira-Munoz E, et al. Nephrol Dial Transplant, 2008 Oct. PMID 18469313.
Distribution of parvalbumin and calretinin immunoreactive interneurons in motor cortex from multiple sclerosis post-mortem tissue. Clements RJ, et al. Exp Brain Res, 2008 May. PMID 18297277.
Quantitative analysis of parvalbumin-immunoreactive cells in the human epileptic hippocampus. Andrioli A, et al. Neuroscience, 2007 Oct 12. PMID 17850980.
Strongly reduced number of parvalbumin-immunoreactive projection neurons in the mammillary bodies in schizophrenia: further evidence for limbic neuropathology. Bernstein HG, et al. Ann N Y Acad Sci, 2007 Jan. PMID 17405923.