Recombinant Parvalbumin / PVALB Antibody

Rabbit Monoclonal Antibody [Clone PVALB/12794R]

Catalog No	Format	Size
5816-RBM43-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5816-RBM43-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5816-RBM43-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

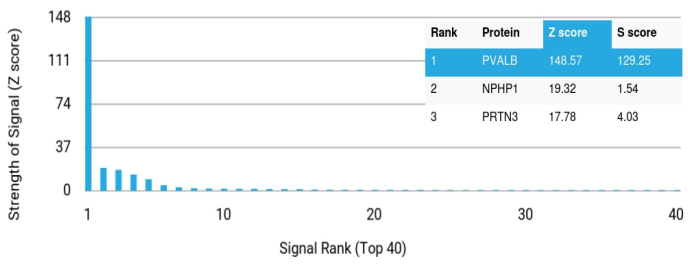
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

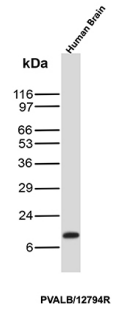
Clone	PVALB/12794R
Immunogen	Recombinant full-length human Parvalbumin protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	12.06kDa
Species Reactivity	Human
Positive Control	Human brain, heart or kidney.

**Optimal dilution for a specific application should be determined.*

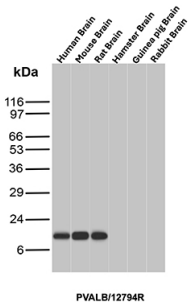
Product Images for Recombinant Parvalbumin / PVALB Antibody



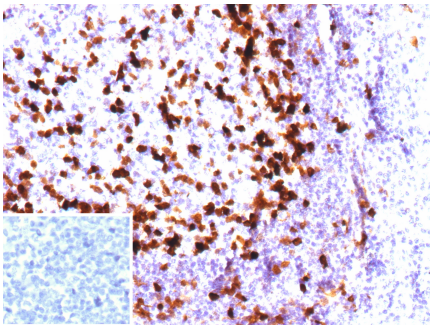
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Parvalbumin Recombinant Rabbit Monoclonal Antibody (PVALB/12794R). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western blot analysis of human brain tissue lysate using Parvalbumin Recombinant Rabbit Monoclonal Antibody (PVALB/12794R).



Western blot analysis of Brain tissue lysates of different species using Parvalbumin Recombinant Rabbit Monoclonal Antibody (PVALB/12794R).



Formalin-fixed, paraffin-embedded human tonsil stained with Parvalbumin Recombinant Rabbit Monoclonal Antibody (PVALB/12794R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Parvalbumin alpha is a low molecular weight calcium-bound albumin (usually 9-11 kDa), structurally related to calmodulin and troponin C, and is a stable protein involved in calcium signaling. Parvalbumin is involved in physiological processes such as cell cycle regulation, second messenger production, muscle contraction, microtubule organization and light conduction. Parvalbumin alpha is found in rapidly contracting muscles, where its levels are highest, as well as in the brain and some endocrine tissues. In normal kidneys, parvoprotein has been shown to be confined to distal tubule cells and collecting tubule cells (intercellular cells).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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