



Rabbit Anti-Human PVALB monoclonal antibody, clone KN211-19 (DCABH-7064)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Parvalbumin
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KN211-19
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, IP
Molecular Weight	12 kDa
Cellular Localization	Cytoplasm, nucleus.
Positive Control	Human tonsil tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	Parvalbumin (PV) is a calcium binding protein expressed in specific muscle fibers and fast-firing neurons. PV consists of a single, unbranched chain of linked amino acids and belongs to a larger group of EF hand proteins. Studies have demonstrated that parvalbumin acts in the decay of calcium in the contraction/ relaxation cycle of fast twitch muscles. This data has shown a positive correlation between the rate of relaxation and the concentration of parvalbumin. Parvalbumin is also expressed in a specific population of GABAergic interneurons which are thought to play a role in maintaining the balance between excitation and inhibition in the cortex as well as the hippocampus. In amyotrophic lateral sclerosis (ALS) patients, parvalbumin immunoreactivity is specifically absent from neuron populations lost early in ALS.
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Keywords	D22S749;MGC116759;Parvalbumin alpha;PRVA_HUMAN;PVALB antibody
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GENE INFORMATION

Entrez Gene ID	5816
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UniProt ID	A0A024R1K9
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