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[Primary Antibody]

Mouse Anti-Parvalbumin antibody

Catalog Number: SLM-60264M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1/Kappa
Clonality:	Monoclonal
Clone No.:	F4D8
Target:	Parvalbumin
Purification:	Affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human, Mouse, Rat
Subcellular Location:	The nucleus The cell membrane
Background:	Parvalbumin is a small, stable protein containing EF-hand-type calcium-binding sites. It is involved in calcium signaling. Typically, this protein is divided into three domains: AB, CD, and EF, each containing a helix-loop-helix motif. [2] The AB domain contains two amino acid deletions in the loop region, while domains CD and EF contain the N-terminus and C-terminus, respectively. The calcium Binding protein parvalbumin plays roles in many physiological processes, namely cell cycle regulation, second messenger production, muscle contraction, microtubule organization, and phototransduction. Therefore, the calcium Binding protein must distinguish calcium in the presence of high concentrations of other metal ions. The mechanism of calcium selectivity has been extensively studied.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.