

Anti-Parvalbumin alpha Antibody

Catalog # AP51978

Product Information

Application	WB, IF/IC
Primary Accession	P20472
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12059

Additional Information

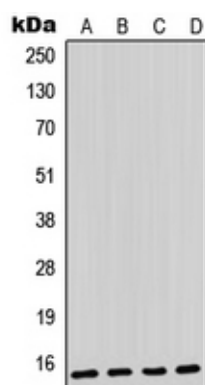
Gene ID	5816
Other Names	Parvalbumin alpha
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Parvalbumin alpha. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

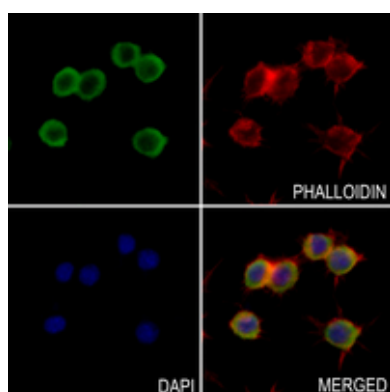
Name	PVALB
Function	In muscle, parvalbumin is thought to be involved in relaxation after contraction (By similarity). It binds two calcium ions (PubMed: 15122922 , PubMed: 39584689).

References

Berchtold M.W.,et al.J. Mol. Biol. 210:417-427(1989).
Foehr U.G.,et al.Eur. J. Biochem. 215:719-727(1993).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dunham I.,et al.Nature 402:489-495(1999).



Western blot analysis of Parvalbumin alpha expression in HeLa (A), C6 (B), mouse skeletal muscle (C), rat skeletal muscle (D) whole cell lysates. (Predicted band size: 12 kD; Observed band size: 12 kD)



Immunofluorescent analysis of Parvalbumin alpha staining in RAW264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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