Parvalbumin Polyclonal antibody

Catalog Number: 26521-1-AP

Basic Information

- **Catalog Number:** 26521-1-AP
- **Size:** 150μl
- **Concentration:** 750μg/ml by Nanodrop and 500μg/ml by Bradford method using BSA as the standard
- **Source:** Rabbit
- **Isotype:** IgG
- **GenBank Accession Number:** NM_002854
- **GeneID (NCBI):** 5816
- **Full Name:** parvalbumin
- **Calculated MW:** 12 kDa
- **Observed MW:** 12 kDa
- **Purification Method:** Antigen affinity purification
- **Recommended Dilutions:** IHC: 1:50-1:500

Applications

- **Tested Applications:** IHC, ELISA
- **Cited Applications:** IF, IHC, WB
- **Species Specificity:** human, mouse
- **Cited Species:** rat, mouse, pig
- **Note-IHC:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

- **IHC:** human brain tissue, mouse brain tissue, human cerebellum tissue

Background Information

PVALB is a high affinity calcium ion-binding protein that is structurally and functionally similar to calmodulin and troponin C. PVALB is expressed in high levels only in fast-contracting muscles and at lower levels in brain and several endocrine tissues. It is thought to be involved in muscle relaxation.

Notable Publications

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<tr>
<th>Author</th>
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<tbody>
<tr>
<td>Nagakatsu Harada</td>
<td>32451822</td>
<td>J Muscle Res Cell Motil</td>
<td>WB</td>
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<tr>
<td>Xinhua Hou</td>
<td>32480263</td>
<td>Food Chem</td>
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<td>Cornelius Mueller-Buehl</td>
<td>35721694</td>
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Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting:** is unnecessary for -20°C storage

- **20μl sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) [toll free in USA], or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 26521-1-AP (Parvalbumin antibody at dilution of 1:200 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 26521-1-AP (Parvalbumin antibody at dilution of 1:200 (under 40x lens).