

For Research Use Only

# HPCAL4 Polyclonal antibody

Catalog Number: 12470-1-AP



## Basic Information

**Catalog Number:**  
12470-1-AP

**Size:**  
150ul, Concentration: 350 µg/ml by Nanodrop and 260 µg/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG3153

**GenBank Accession Number:**  
BC030827

**GeneID (NCBI):**  
51440  
**Full Name:**  
hippocalcin like 4

**Calculated MW:**  
191 aa, 22 kDa

**Observed MW:**  
22 kDa

**Purification Method:**  
Antigen affinity purification

**Recommended Dilutions:**  
WB 1:1000-1:4000  
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB  
IHC 1:20-1:200

## Applications

**Tested Applications:**  
IHC, IP, WB, ELISA

**Species Specificity:**  
human, mouse, rat

**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:**

**WB:** fetal human brain tissue, human brain tissue, mouse brain tissue, rat brain tissue

**IP:** fetal human brain tissue,

**IHC:** human medulloblastoma tissue,

## Background Information

### 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

\*\*\* 20ul sizes contain 0.1% BSA

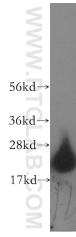
For technical support and original validation data for this product please contact:

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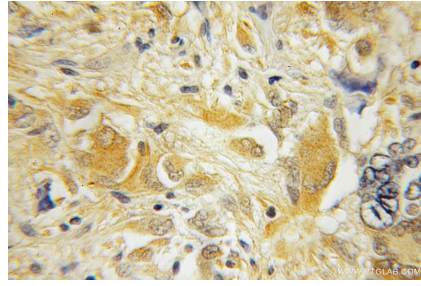
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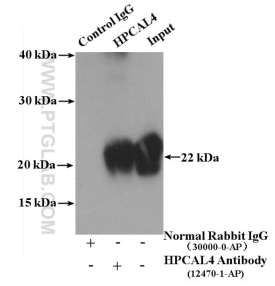
## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 12470-1-AP (HPCAL4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human medulloblastoma using 12470-1-AP (HPCAL4 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-HPCAL4 (IP:12470-1-AP, 4ug; Detection:12470-1-AP 1:700) with fetal human brain tissue lysate 3200 ug.