

# HPCAL4 Polyclonal antibody

Catalog Number: 12470-1-AP

## Basic Information

**Catalog Number:**

12470-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3153

**GenBank Accession Number:**

BC030827

**GeneID (NCBI):**

51440

**UNIPROT ID:**

Q9UM19

**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 µg for 1.0-3.0 mg of total protein lysate

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:**

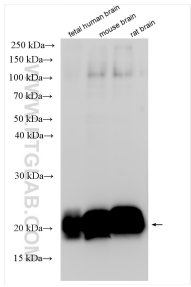
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

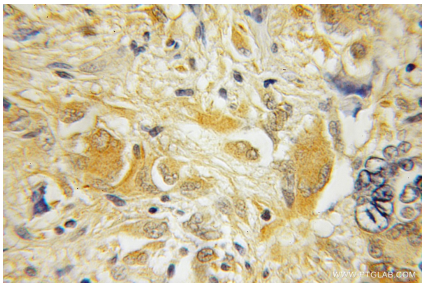
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

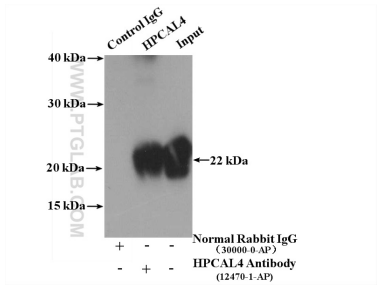
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12470-1-AP (HPCAL4 antibody) at dilution of 1:2000 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.