

# HPCAL1 Rabbit pAb

Catalog No.: A21455

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

22kDa

### Category

Primary antibody

### Applications

ELISA, WB, IP

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this gene is a member of neuron-specific calcium-binding proteins family found in the retina and brain. It is highly similar to human hippocalcin protein and nearly identical to the rat and mouse hippocalcin like-1 proteins. It may be involved in the calcium-dependent regulation of rhodopsin phosphorylation and may be of relevance for neuronal signalling in the central nervous system. Several alternatively spliced transcript variants encoding the same protein have been found for this gene.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

### Gene ID

3241

### Swiss Prot

P37235

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-193 of human HPCAL1 (NP\_002140.2).

### Synonyms

BDR1; HLP2; VILIP-3; HPCAL1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

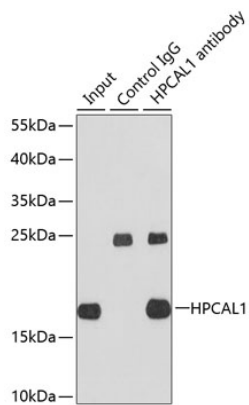
Affinity purification

### Storage

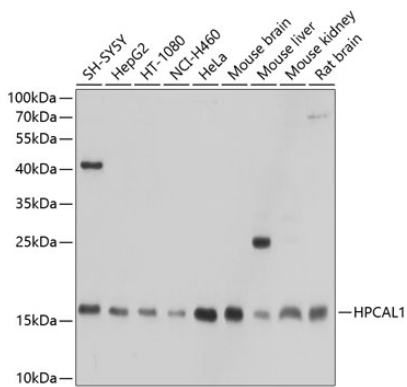
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data



Immunoprecipitation analysis of extracts of HepG2 cells using HPCAL1 antibody (A21455). Western blot was performed from the immunoprecipitate using HPCAL1 antibody (A21455) at a dilution of 1:1000.



Western blot analysis of various lysates using HPCAL1 Rabbit pAb (A21455) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.