

A21455

Leader in Biomolecular Solutions for Life Science



# HPCAL1 Rabbit pAb

Catalog No.: A21455

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

22kDa

### Category

Polyclonal Antibody

### Applications

WB,IP,ELISA

### 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

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

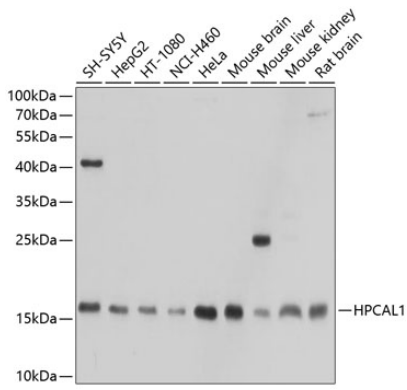
Affinity purification

### Storage

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

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

## Validation Data



Western blot analysis of various lysates using HPCAL1 Rabbit pAb (A21455) at 1:1000 dilution.

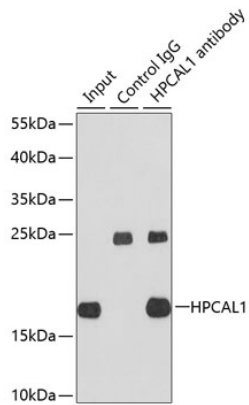
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



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.