

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
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact



www.abclonal.com

Immunogen Information

Gene ID
3241

Swiss Prot
P37235

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

BDR1; HLP2; VILIP-3; HPCAL1

Product Information

Source
Rabbit

Isotype
IgG

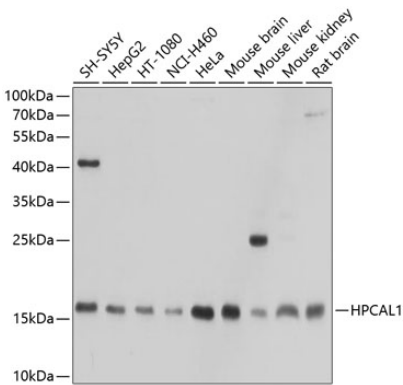
Purification
Affinity purification

Storage

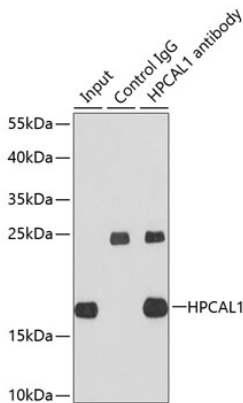
Store at -20°C. Avoid freeze / thaw cycles.

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-conjugated 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.