

HPCAL1 Rabbit pAb

Catalog No.: A21455

Basic Information

Observed MW

Refer to figures

Calculated MW

22kDa

Category

Primary 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.

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

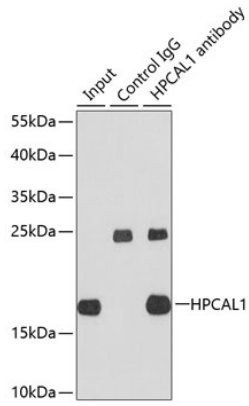
Affinity purification

Storage

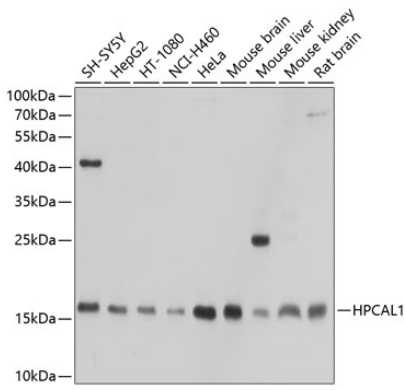
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

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-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.