CAB10019

## Product Information Size:

20uL, 50uL, 100uL, 200uL
Observed MW:
17 kDa
Calculated MW:
22 kDa
Applications:
WB IP
Reactivity:
Human, Mouse, Rat

## Antibody Information

## Recommended dilutions:

WB 1:500-1:2000 IP 1:201:100

## Source:

Rabbit

## Isotype:

IgG

## Protein 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 calciumdependent 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.

## Immunogen information

## Gene ID:

3241

## Uniprot

P37235

## Synonyms:

HPCAL1; BDR1; HLP2; VILIP-3

## Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-193 of human HPCAL1 (NP_002140.2).

## Storage:

Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles. Buffer: PBS with $0.02 \%$ sodium azide, 50\% glycerol, pH7.3.

## Purification:

Affinity purification


Western blot analysis of extracts of various cell lines, using HPCAL1 antibody (CAB10019) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABSO14) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3\% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.

Immunoprecipitation analysis of extracts of HepG2 cells using HPCAL1 antibody (CAB10019). Western blot was performed from the immunoprecipitate using HPCAL1 antibody (CAB10019) at a dilition of 1:1000.

