

HPCAL1 mouse monoclonal antibody (hybridoma)

Catalog # H00003241-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant HPCAL1.
Immunogen	HPCAL1 (NP_002140.2, 1 a.a. ~ 193 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGKQNSKLRPEVLQDLRENTFTDHELQEWYKGFLKDCPTGHLTVDEFKKIYANFFPYGDASKFAEHVFRFTDNGDGTIDFREFIALSVTSRGKLEQKLKWAFSMYDLDDGNGYSRSEMLEIVQAIYKMVSSVMKMPEDSTPEKRTDKIFRQMDTNNDGKLSLEEFIRGAKSDPSIVRLLQCDPSSASQF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HPCAL1

Entrez GeneID [3241](#)**GeneBank Accession#** [NM_002149.2](#)**Protein Accession#** [NP_002140.2](#)**Gene Name** HPCAL1**Gene Alias** BDR1, HLP2, VILIP-3**Gene Description** hippocalcin-like 1**Omim ID** [600207](#)**Gene Ontology** [Hyperlink](#)

Gene Summary 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. There are two alternatively spliced transcript variants of this gene, with multiple polyadenylation sites. [provided by RefSeq]

Other Designations OTTHUMP00000115514|calcium-binding protein BDR-1|visinin-like protein 3

Disease

- [Breast cancer](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)