



## Rabbit Anti-HPCAL4 antibody

SL17377R

<b>Product Name:</b>	HPCAL4
<b>Chinese Name:</b>	海马钙蛋白样4多肽抗体
<b>Alias:</b>	Hippocalcin like 4; Hippocalcin like protein 4; Hippocalcin-like protein 4; HLP4; HPCAL4; HPCL4_HUMAN; OTTHUMP00000010835.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,Cynomolgus Monkey, Orangutan
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	22kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HPCAL4:101-191/191
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The protein encoded by this gene is highly similar to human hippocalcin protein and hippocalcin like-1 protein. It also has similarity to rat neural visinin-like Ca <sup>2+</sup> -binding protein-type 1 and 2 proteins. This encoded protein may be involved in the calcium-dependent regulation of rhodopsin phosphorylation. The transcript of this gene has multiple polyadenylation sites. Alternatively spliced transcript variants encoding different

isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

**Function:**

May be involved in the calcium-dependent regulation of rhodopsin phosphorylation.

**Similarity:**

Belongs to the recoverin family.

Contains 4 EF-hand domains.

**SWISS:**

Q9UM19

**Gene ID:**

51440

**Database links:**

[Entrez Gene: 51440](#) Human

[Entrez Gene: 170638](#) Mouse

[SwissProt: Q9UM19](#) Human

[SwissProt: Q8BGZ1](#) Mouse

[SwissProt: P35332](#) Rat

[Unigene: 724402](#) Human

[Unigene: 743975](#) Human

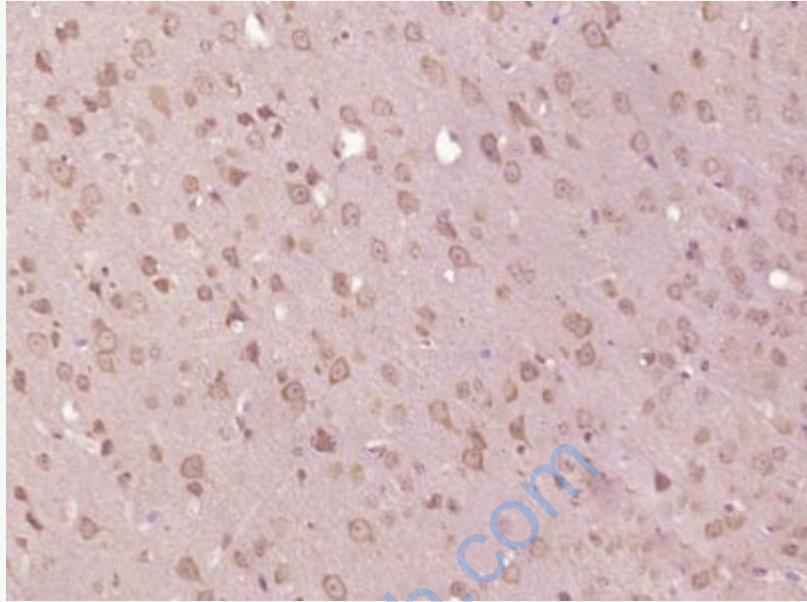
[Unigene: 270641](#) Mouse

[Unigene: 34529](#) Rat

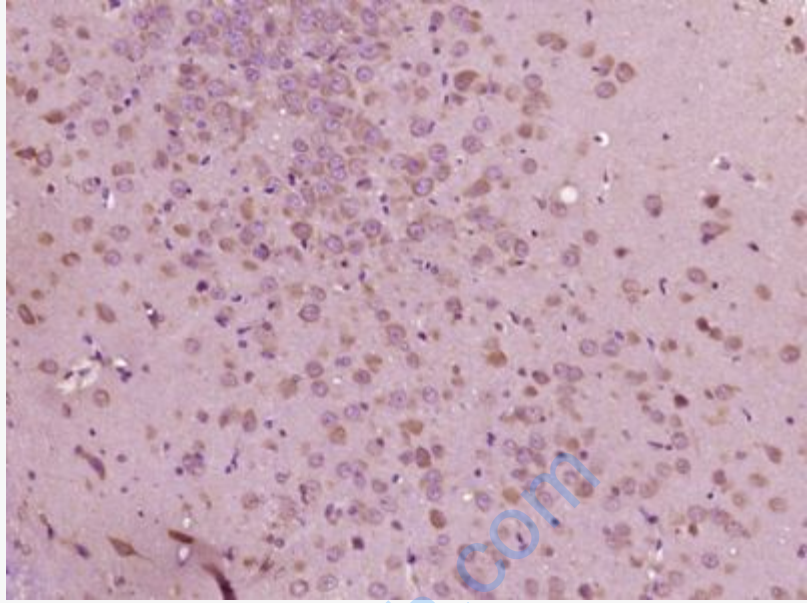
**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HPCAL4) Polyclonal Antibody, Unconjugated (SL17377R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HPCAL4) Polyclonal Antibody, Unconjugated (SL17377R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.