

Anti-VILIP3/HPCAL1 Antibody

Catalog Number: A08911-1

About HPCAL1

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.

Overview

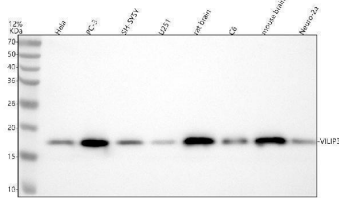
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| Product Name | Anti-VILIP3/HPCAL1 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-VILIP3/HPCAL1 Antibody catalog # A08911-1. Tested in WB, IHC, ICC, IF, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, IP, IF, IHC, ICC, WB |
| Clonality | Polyclonal |
| Formulation | 500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | P37235 |

Technical Details

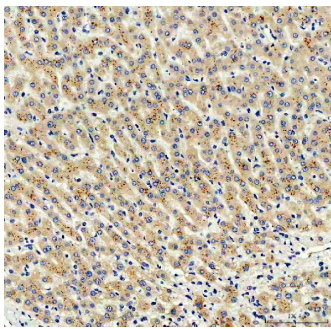
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| Immunogen | E.coli-derived human VILIP3/HPCAL1 recombinant protein (Position: M1-A190). |
| Form | Liquid |
| Concentration | 500 ug/ml |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Western blot, 1:1000-5000 Immunohistochemistry, 1:50-400 Immunocytochemistry/Immunofluorescence, 1:50-400 Immunoprecipitation, 1:50 |

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| | ELISA, 1:100-1000 |
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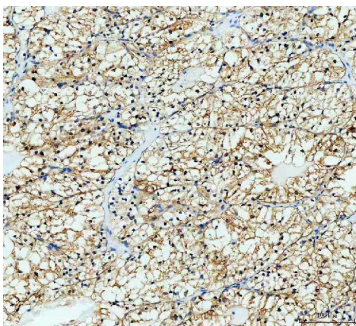
Anti-VILIP3/HPCAL1 Antibody (A08911-1) Images



Western blot analysis of VILIP3/HPCAL1 using anti-VILIP3/HPCAL1 antibody (A08911-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human PC-3 whole cell lysates, Lane 3: human SH-SY5Y whole cell lysates, Lane 4: human U251 whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse brain tissue lysates, Lane 8: mouse Neuro-2a whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-VILIP3/HPCAL1 antigen affinity purified polyclonal antibody (A08911-1) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for VILIP3/HPCAL1 at approximately 18 kDa. The expected band size for VILIP3/HPCAL1 is at 22 kDa.



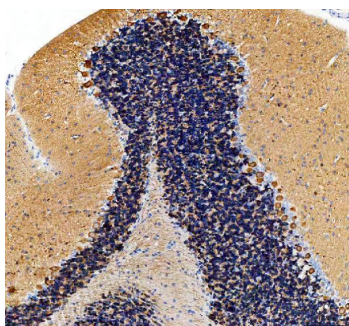
IHC analysis of VILIP3/HPCAL1 using anti-VILIP3/HPCAL1 antibody (A08911-1). VILIP3/HPCAL1 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-VILIP3/HPCAL1 Antibody (A08911-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of VILIP3/HPCAL1 using anti-VILIP3/HPCAL1 antibody (A08911-1). VILIP3/HPCAL1 was detected in a paraffin-embedded section of human renal clear cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-VILIP3/HPCAL1 Antibody (A08911-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of VILIP3/HPCAL1 using anti-VILIP3/HPCAL1 antibody (A08911-1). VILIP3/HPCAL1 was detected in a paraffin-embedded section of mouse cerebellum tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-VILIP3/HPCAL1 Antibody (A08911-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of VILIP3/HPCAL1 using anti-VILIP3/HPCAL1 antibody (A08911-1). VILIP3/HPCAL1 was detected in a paraffin-embedded section of rat cerebellum tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-VILIP3/HPCAL1 Antibody (A08911-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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Anti-VILIP3/HPCAL1 Antibody

For Research Use Only. Not for use in diagnostic procedures.