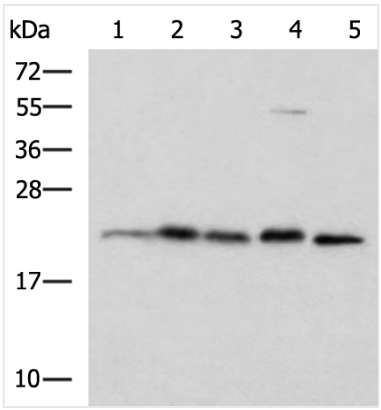
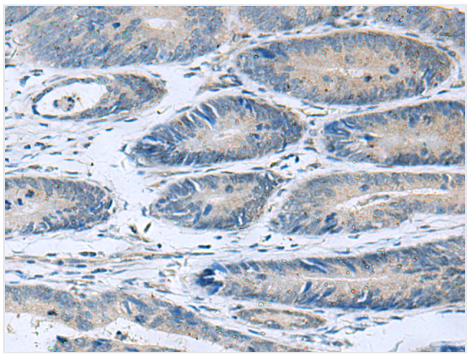
HPCAL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

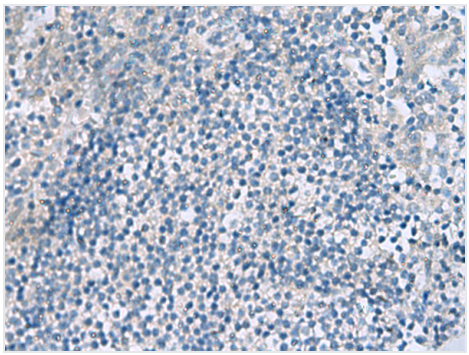
Product Name	HPCAL1, Polyclonal Antibody
Full Product Name	HPCAL1 Antibody
Product Gene Name	anti-HPCAL1 antibody
Product Synonym Names	BDR1; HLP2; VILIP-3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purity/Purification	Antigen affinity purification
Concentration	1.6mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C for 1 year.
Molecular Weight	22,313 Da
OMIM	130660
3D Structure	ModBase 3D Structure for Q9Y6C2
Immunogen	Fusion protein of human HPCAL1
Conjugation	Unconjugated
Product Categories/Family for anti-HPCAL1 antibody	Total protein Ab
Applications Tested/Suitable for anti-HPCAL1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-HPCAL1 antibody	WB: 1:1000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-HPCAL1 antibody	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.
Other Notes	Small volumes of anti-HPCAL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HPCAL1 purchase	MBS9434707 is an antibody targeting HPCAL1. Also known as HPCAL1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



SDS-Page of anti-HPCAL1 antibody
Gel: 12%SDS-PAGE, Lysate: 40 ug, Lane 1-5: A172, HepG2, Hela cell, Rat brain tissue and Mouse brain tissue lysates, Primary antibody:HPCAL1 Antibody at dilution 1/1250, Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution, Exposure time: 5 seconds



Immunohistochemistry (IHC) of anti-HPCAL1 antibody
The image is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using (HPCAL1 Antibody) at dilution 1/90.



Immunohistochemistry (IHC) of anti-HPCAL1 antibody
The image is immunohistochemistry of paraffin-embedded Human tonsil tissue using (HPCAL1 Antibody) at dilution 1/90.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HPCAL1. It may not necessarily be applicable to this product.

NCBI GI #	33873049
NCBI GeneID	3241
NCBI Accession #	BC009846
UniProt Primary Accession #	Q9Y6C2
UniProt Secondary Accession #	Q969S5
UniProt Related Accession #	P37235
NCBI Official Full Name	Homo sapiens hippocalcin-like 1, mRNA
NCBI Official Synonym Full Names	hippocalcin like 1
NCBI Official Symbol	HPCAL1
NCBI Official Synonym Symbols	BDR1; HLP2; VILIP-3
UniProt Protein Name	EMILIN-1
UniProt Synonym Protein Names	Elastin microfibril interface-located protein 1
Protein Family	Hippocalcin-like protein
UniProt Gene Name	EMILIN1
UniProt Synonym Gene Names	EMI; Elastin microfibril interfacer 1

UniProt Entry Name	EMIL1_HUMAN
NCBI Protein Information	hippocalcin-like protein 1
UniProt Comments for HPCAL1	EMILIN1: May be responsible for anchoring smooth muscle cells to elastic fibers, and may be involved not only in the formation of the elastic fiber, but also in the processes that regulate vessel assembly. Has cell adhesive capacity. Protein type: Cell adhesion; Extracellular matrix; Motility/polarity/chemotaxis; Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 2p23.3-p23.2 Cellular Component: extracellular matrix; proteinaceous extracellular matrix; collagen; extracellular region Molecular Function: identical protein binding; protein binding; extracellular matrix constituent conferring elasticity Biological Process: extracellular matrix organization and biogenesis; cell adhesion
Research Articles on HPCAL1	**1.** Secreted HPCAL1 protein in the plasma dropped dramatically in hepatocellular carcinoma patients relative to controls.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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