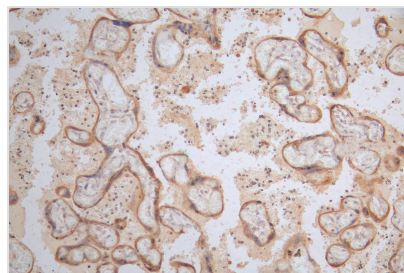




LAMP2 Recombinant Monoclonal Antibody

Product Code	CSB-RA111920A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P13473
Immunogen	A synthesized peptide derived from Human LAMP2
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cardiovascular;Tags & Cell Markers
Gene Names	LAMP2
Clone No.	23G11

Image



IHC image of CSB-RA111920A0HU diluted at 1:100 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.37% DAB.

Description

The LAMP2 recombinant monoclonal antibody production is a meticulously orchestrated process. It initiates with in vitro cloning, where genes for both the heavy and light chains of the LAMP2 antibody are seamlessly incorporated into expression vectors. Subsequently, these modified vectors are introduced into host cells, creating a conducive environment for the recombinant antibody's expression within a cell culture milieu. After expression, the LAMP2 recombinant monoclonal antibody is subjected to a rigorous purification process, making use of affinity chromatography. A notable characteristic of this antibody is its specific



binding affinity for the human LAMP2 protein. It is recommended for use in ELISA and IHC.

LAMP2 plays a central role in the proper functioning of lysosomes, which are essential for cellular waste disposal, recycling of cellular components, and various other cellular processes. Dysfunction or deficiency of LAMP2 can lead to lysosomal storage diseases and other health conditions.