

**AQPEP Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21461b**

**Specification**

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**AQPEP Antibody (C-Term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">O6Q4G3</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>113283</b>

**AQPEP Antibody (C-Term) - Additional Information**

**Gene ID** 206338

**Other Names**

Aminopeptidase Q, AP-Q, 3411-, CHL2 antigen, Laeverin, AQPEP, LVRN

**Target/Specificity**

This AQPEP antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 844-877 amino acids from human AQPEP.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AQPEP Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AQPEP Antibody (C-Term) - Protein Information**

**Name** LVRN ([HGNC:26904](#))

**Function** Metalloprotease which may be important for placentation by regulating biological activity of key peptides at the embryo-maternal interface. On synthetic substrates it shows a marked preference for Leu-4-methylcoumaryl-7-amide (Leu-MCA) over Met-MCA, Arg-LCA and Lys-LCA. Cleaves the N-terminal amino acid of several peptides such as angiotensin-3, kisspeptin-10

and endokinin C.

#### Cellular Location

Membrane; Single-pass type II membrane protein

#### Tissue Location

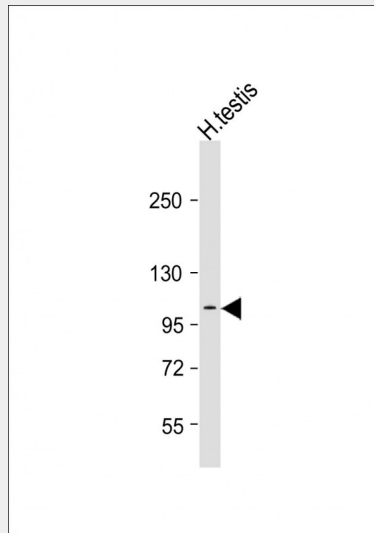
Specifically expressed in placenta and not in other tissues. Mainly found at the cell surface region of the extravillous trophoblasts. Detected on extravillous trophoblasts in the outer layer of the chorion laeve in the fetal membrane Not detected on either fetal amnionic epithelial cells or maternal decidual cells. Also detected in the migrating extravillous trophoblasts in the maternal decidual tissues (at protein level).

### AQPEP Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### AQPEP Antibody (C-Term) - Images



Anti-AQPEP Antibody (C-Term) at 1:2000 dilution + human testis lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 113 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

### AQPEP Antibody (C-Term) - Background

Metalloprotease which may be important for placentation by regulating biological activity of key peptides at the embryo- maternal interface. On synthetic substrates it shows a marked preference for Leu-4-methylcoumaryl-7-amide (Leu-MCA) over Met- MCA, Arg-LCA and Lys-LCA. Cleaves the N-terminal amino acid of several peptides such as angiotensin-3, kisspeptin-10 and endokinin C.

**AQPEP Antibody (C-Term) - References**

- Fujiwara H., et al. *Biochem. Biophys. Res. Commun.* 313:962-968(2004).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Schmutz J., et al. *Nature* 431:268-274(2004).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Maruyama M., et al. *J. Biol. Chem.* 282:20088-20096(2007).