

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human VAMP-8 in direct ELISAs and Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human VAMP-8 Met1-Lys75 Accession # Q9BV40
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

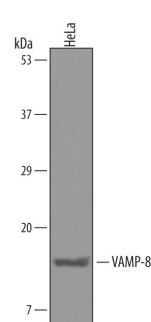
## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below
<b>Immunohistochemistry</b>	1-15 µg/mL	See Below

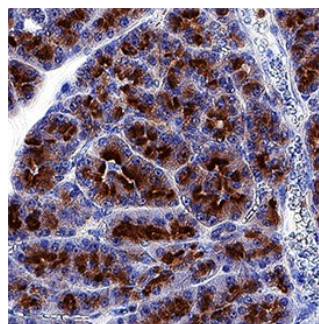
## DATA

### Western Blot



**Detection of Human VAMP-8 by Western Blot.** Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human VAMP-8 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5354) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for VAMP-8 at approximately 12 kDa (as indicated). This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 8](#).

### Immunohistochemistry



**VAMP-8 in Human Pancreas.** VAMP-8 was detected in immersion fixed paraffin-embedded sections of human pancreas using Goat Anti-Human VAMP-8 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5354) at 1 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific staining was localized to exocrine cell cytoplasm. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

VAMP-8 (vesicle associated membrane protein 8; also endobrevin) is a 12 kDa member of the synaptobrevin family of proteins. It is a type IV transmembrane (TM) protein (i.e.- a type II TM protein whose C-terminus is predominately transmembrane) that is found in cells involved in vesicle release (platelets, mast cells and pancreatic acinar cells). It regulates exocytosis and decouples granule release from cytokine release. Human VAMP-8 is 100 amino acids (aa) in length. It contains a vSNARE coiled-coil homology region (aa 12-72) and a membrane-anchor domain (aa 76-96). Over aa 1-75, human VAMP-8 shares 93% aa identity with mouse VAMP-2.