

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## VMP1 RABBIT PAB

Cat.#: S221033

**Product Name:** Anti-VMP1 Rabbit Polyclonal Antibody

Synonyms: EPG3; TANGO5; TMEM49

UNIPROT ID: Q96GC9 (Gene Accession - NP\_112200)

**Background:** This gene encodes a transmembrane protein that plays a key regulatory role in the process of autophagy. The ectopic overexpression of the encoded protein in cultured cells triggers autophagy even under nutrient-rich conditions. This gene is overexpressed in pancreatitis affected acinar cells where the encoded protein mediates sequestration and degradation of potentially deleterious activated zymogen granules in a process termed, zymophagy.

Immunogen: Synthetic peptide of human VMP1

Applications: ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

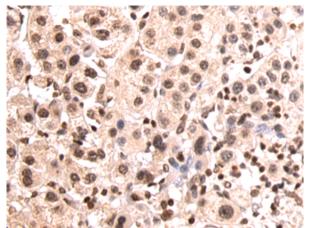
Research Areas: Cancer, Cardiovascular

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

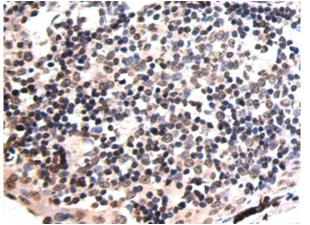


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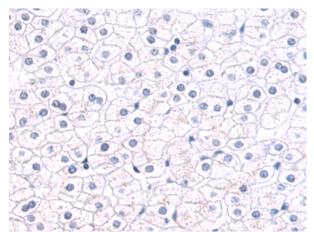
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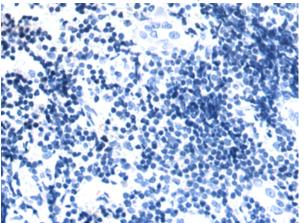
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221033(VMP1 Antibody) at a dilution of 1/50(Cytoplasm and Nucleus).



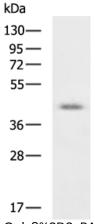
The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using 221033(Anti-VMPI Antibody) at a dilution of 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 221033(Anti-VMP1 Antibody) at dilution 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with synthetic peptide and then with D262380(Anti-VMPI Antibody) at dilution 1/50.



Gel: 8%SDS-PAGE, Lysate: 40 µg;

Lane: MCF7 cell lysate;

Primary antibody: 221033(VMP1 Antibody) at

dilution 1/800;

Secondary antibody: HRP-conjugated Goat anti

rabbit IgG at 1/5000 dilution; Exposure time: 30 seconds



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