

Product datasheet for **AP55392SU-N**

HVCN1 Rabbit Polyclonal Antibody

Product data:

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|------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | ELISA, IF, IHC, WB |
| Recommended Dilution: | ELISA. Western Blot: 1/100-1/1 000. Immunocytochemistry: 1/50-1/200. Immunohistochemistry: 1/50-1/200. |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide derived from N-terminal domain of Human HVCN1 protein |
| Specificity: | Reacts with Human 31 kDa HVCN1 protein. |
| Formulation: | State: Serum State: Lyophilized powder Preservative: None |
| Reconstitution Method: | Reconstitute in distilled water. |
| Conjugation: | Unconjugated |
| Storage: | Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | hydrogen voltage gated channel 1 |
| Database Link: | Entrez Gene 84329 Human Q96D96 |



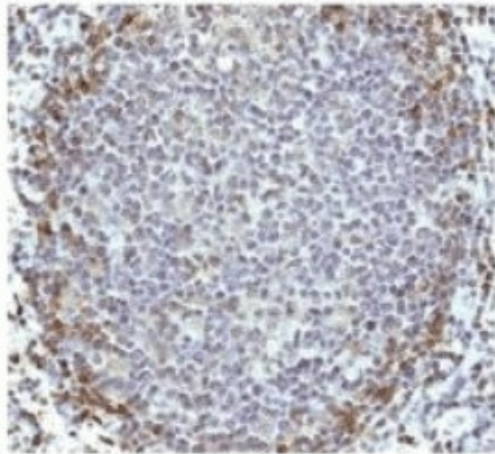
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Background:

HVCN1 (hydrogen voltage-gated channel 1), a voltage gated proton channel protein that is highly expressed in immune tissues, mediates the proton conductances required by phagocytic leukocytes for the oxidative burst that underlies microbial killing. HVCN1 moderates the voltage-dependent proton permeability of excitable membranes by allowing the flow of protons in accordance to their electrochemical gradient. HVCN1 is sensitive to zinc ions, and can be inhibited by them. HVCN1 may represent a new therapeutic target for B cell malignancies on continued signaling via the B cell antigen receptor.

Synonyms:

HV1

Product images:

Immunohistochemical of paraffin-embedded tonsil sections stained with HVCN1 Antivody Cat.-No AP55392SU-N