

Product datasheet for **TA320047**

HVCN1 Rabbit Polyclonal Antibody

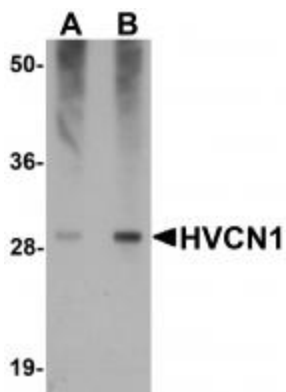
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	HVCN1 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human HVCN1.
Formulation:	HVCN1 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	HVCN1 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	hydrogen voltage gated channel 1
Database Link:	NP_115745 Entrez Gene 84329 Human Q96D96
Background:	HVCN1 Antibody: 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; VSOP

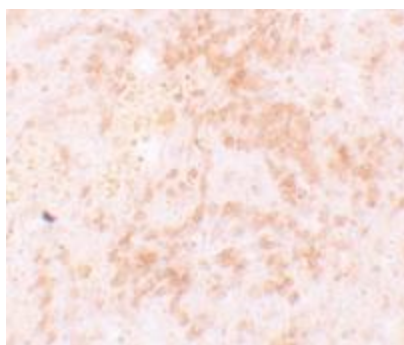


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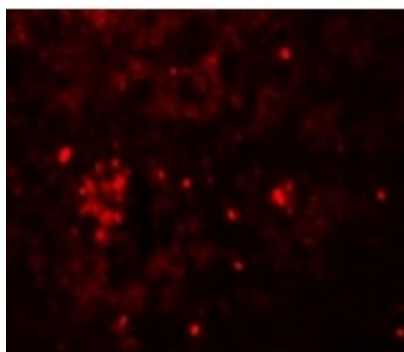
Product images:



Western blot analysis of HVCN1 in human spleen tissue lysate with HVCN1 antibody at (A) 0.5 and (B) 1 $\mu\text{g}/\text{mL}$.



Immunohistochemistry of HVCN1 in rat spleen tissue with HVCN1 antibody at 5 $\mu\text{g}/\text{mL}$.



Immunofluorescence of HVCN1 in Rat Spleen cells with HVCN1 antibody at 20 $\mu\text{g}/\text{mL}$.