

Rabbit anti-Human HVCN1 Polyclonal Antibody | anti-HVCN1 antibody

HVCN1 Antibody (N-term)

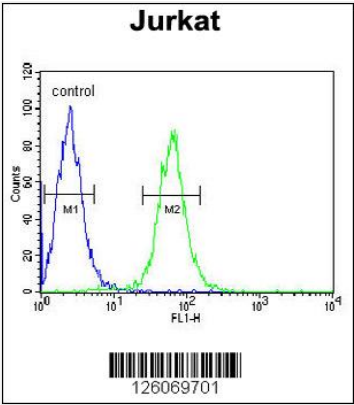
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288267	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

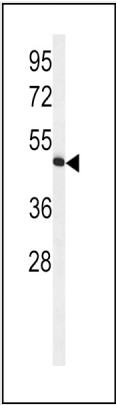
HVCN1; Polyclonal Antibody; HVCN1 Antibody (N-term); Voltage-gated hydrogen channel 1; Hydrogen voltage-gated channel 1; HV1; Voltage sensor domain-only protein; VSOP; anti-HVCN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HVCN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HVCN1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-30
Sequence Length	273
Applicable Applications for anti-HVCN1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
HVCN1 Antibody (N-term) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of HVCN1 Antibody (N-term) in Jurkat cell line lysates (35ug/lane). HVCN1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HVCN1 antibody	HVCN1 is a voltage-gated proton channel highly expressed in immune tissues. Channels like HVCN1 mediate the proton conductances required by phagocytic leukocytes for the oxidative burst that underlies microbial killing.
Product Categories/Family for anti-HVCN1 antibody	Immunology; Signal Transduction
References	Musset, B., et al. J. Biol. Chem. 285(8):5117-5121(2010) Lishko, P.V., et al. Cell 140(3):327-337(2010) Sakata, S., et al. Proc. Natl. Acad. Sci. U.S.A. 107(5):2313-2318(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	91992153
NCBI GeneID	84329
NCBI Accession #	NP_001035196.1; NP_001243342.1; NP_115745.2
NCBI GenBank Nucleotide #	NM_001040107.1
UniProt Accession #	Q96D96; Q6UW11; Q96IS5; A8MQ37; B4DEB3; F8WCH5
Molecular Weight	31683
NCBI Official Full Name	voltage-gated hydrogen channel 1 isoform 1
NCBI Official Synonym Full Names	hydrogen voltage gated channel 1
NCBI Official Symbol	HVCN1
NCBI Official Synonym Symbols	HV1; VSOP
NCBI Protein Information	voltage-gated hydrogen channel 1
UniProt Protein Name	Voltage-gated hydrogen channel 1
UniProt Gene Name	HVCN1
UniProt Synonym Gene Names	VSOP; HV1
UniProt Entry Name	HVCN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hvcn1-antibody-flow-cytometry-western-blot-elisa/288267>