

Datasheet for ABIN2789450
anti-VKORC1 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	VKORC1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VKORC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of VKORC1
Sequence:	LHVKAARARD RDYRALCDVG TAISCSRVFS SRLPADTLGL CPDAAELPGV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 86%, Rabbit: 100%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against VKORC1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	VKORC1
Alternative Name:	VKORC1 (VKORC1 Products)

Target Details

Background:	<p>Vitamin K is essential for blood clotting but must be enzymatically activated. This enzymatically activated form of vitamin K is a reduced form required for the carboxylation of glutamic acid residues in some blood-clotting proteins. The product of this gene encodes the enzyme that is responsible for reducing vitamin K 2,3-epoxide to the enzymatically activated form. Fatal bleeding can be caused by vitamin K deficiency and by the vitamin K antagonist warfarin, and it is the product of this gene that is sensitive to warfarin. In humans, mutations in this gene can be associated with deficiencies in vitamin-K-dependent clotting factors and, in humans and rats, with warfarin resistance. Two pseudogenes have been identified on chromosome 1 and the X chromosome. Two alternatively spliced transcripts encoding different isoforms have been described.</p> <p>Alias Symbols: EDTP308, FLJ00289, IMAGE3455200, MGC2694, MST134, MST576, VKCFD2, VKOR</p> <p>Protein Interaction Partner: UBC, ILK, ZMYM6NB, TMEM242, SNORA12, TMEM256, ZCCHC24, METTL7B, SPTSSA, VKORC1L1, CCDC167, CCDC12, TMEM45B, KCNK17, JAGN1, SERP1, PPA2, TRAM1, TREX1, YIF1A, EBP, ARL6IP5, PROCR, IFITM3, ATP6AP2, BCAP31, PDIA6, HDAC6, HOMER2, VAPB, CLDN10, DPM2, REEP5, TF,</p> <p>Protein Size: 92</p>
Molecular Weight:	10 kDa
Gene ID:	79001
NCBI Accession:	NM_206824 , NP_996560
UniProt:	Q9BQB6

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 92 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

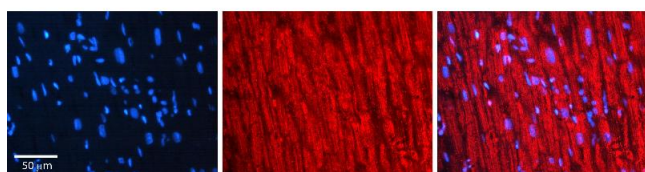
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-VKORC1 Antibody Titration:
1.0 ug/ml Positive Control: Fetal Brain



Immunohistochemistry

Image 2. Rabbit Anti-VKORC1 Antibody Catalog Number: ARP63330_P050 Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec