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Datasheet for ABIN1450145  
**anti-VKORC1 antibody (N-Term)**

2 Images

### Overview

Quantity:	0.1 mg
Target:	VKORC1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VKORC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	15 amino acid synthetic peptide near the amino terminus of Human VKORC1
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

### Target Details

Target:	VKORC1
Alternative Name:	VKORC1 ( <a href="#">VKORC1 Products</a> )
Background:	Vitamin K epoxide reductase complex subunit 1 (VKORC1) is the enzyme that is responsible for reducing vitamin K 2,3-epoxide to the enzymatically activated form which is essential for blood clotting. This enzymatically activated form of vitamin K is a reduced form required for the

## Target Details

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carboxylation of glutamic acid residues in some blood-clotting proteins. Fatal bleeding can be caused by vitamin K deficiency and by the vitamin K antagonist warfarin, and it is VKORC1 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. Synonyms: 3-epoxide reductase subunit 1, MSTP134, MSTP576, UNQ308/PRO351, VKOR, Vitamin K epoxide reductase complex subunit 1, Vitamin K1 2

Gene ID: 79001

NCBI Accession: [NP\\_076869](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

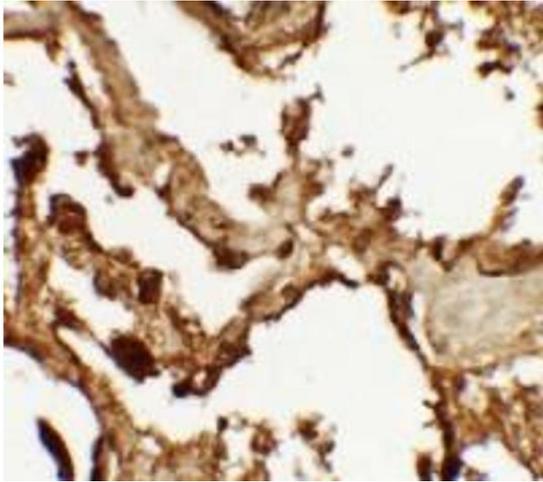
Preservative: Sodium azide

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 freezing and thawing.

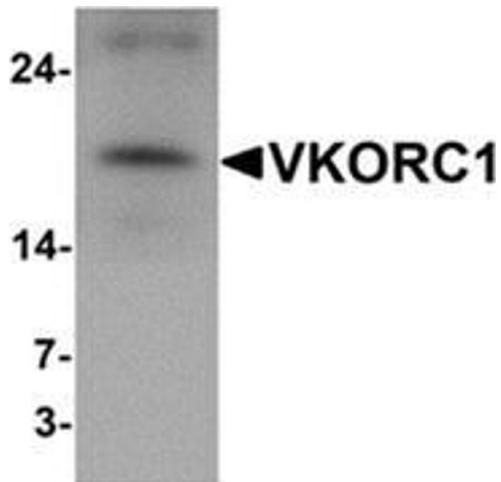
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of VKORC1 in human lung tissue with VKORC1 antibody at 2.5 ug/mL.



#### Western Blotting

**Image 2.** Western blot analysis of VKORC1 in A549 cell lysate with VKORC1 antibody at 1 ug/mL.