

VKORC1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5859A**Specification**

VKORC1 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q9BQB6
Other Accession	Q6B4J2 , NP_076869.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	15-41

VKORC1 Antibody (N-term) - Additional Information**Gene ID** 79001**Other Names**

Vitamin K epoxide reductase complex subunit 1, Vitamin K1 2, 3-epoxide reductase subunit 1, VKORC1, VKOR

Target/Specificity

This VKORC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-41 amino acids from the N-terminal region of human VKORC1.

Dilution

WB~~1:1000

IHC-P~~1:10~50

E~~Use at an assay dependent concentration.

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.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

VKORC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

VKORC1 Antibody (N-term) - Protein Information**Name** VKORC1 {ECO:0000303|PubMed:14765194, ECO:0000312|HGNC:HGNC:23663}

Function Involved in vitamin K metabolism. Catalytic subunit of the vitamin K epoxide reductase (VKOR) complex which reduces inactive vitamin K 2,3-epoxide to active vitamin K. Vitamin K is required for the gamma-carboxylation of various proteins, including clotting factors, and is required for normal blood coagulation, but also for normal bone development.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

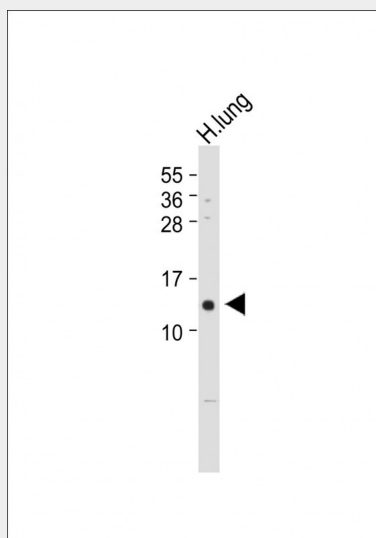
Expressed at highest levels in fetal and adult liver, followed by fetal heart, kidney, and lung, adult heart, and pancreas.

VKORC1 Antibody (N-term) - Protocols

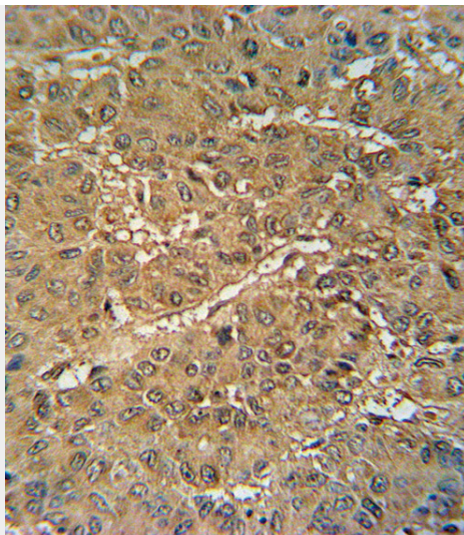
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VKORC1 Antibody (N-term) - Images



Anti-VKORC1 Antibody (N-term) at 1:1000 dilution + Human lung whole tissue lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution. Predicted band size : 18 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



VKORC1 Antibody (N-term) (Cat. #AP5859a) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the VKORC1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.