

Anti-VKORC1 Antibody

Catalog Number: A01059

About VKORC1

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 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.

Overview

Product Name	Anti-VKORC1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-VKORC1 Antibody (Catalog # A01059). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	VKORC1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	VKORC1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9BQB6

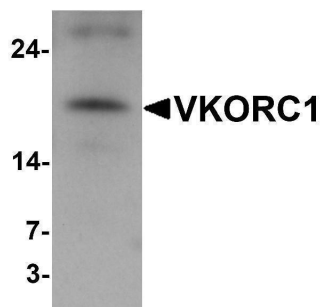
Technical Details

Immunogen	VKORC1 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human VKORC1. The immunogen is located within the first 50 amino acids of VKORC1.
Predicted Reactive Species	Bovine, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	VKORC1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	VKORC1 antibody can be used for detection of VKORC1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 5

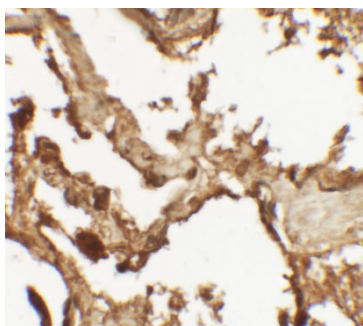
ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

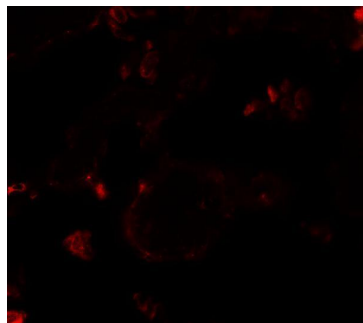
Anti-VKORC1 Antibody (A01059) Images



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



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



Immunofluorescence of VKORC1 in human lung tissue with VKORC1 antibody at 20 ug/mL.

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Anti-VKORC1 Antibody

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