BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

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.

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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 ≤0.09% sodium azide.
Storage Instructions	VKORC1 antibody can be stored at 4°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

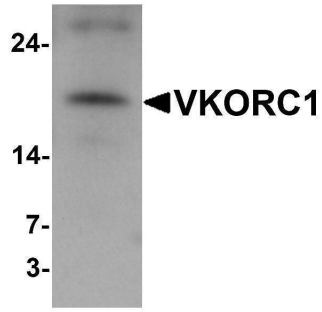
Immunogen	VKORC1 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human VKORC1. The immunogen is located within the first 50 amino acids of VKORC1.
Predicted Reactive Species	Bovine, Rat
Isotype	IgG

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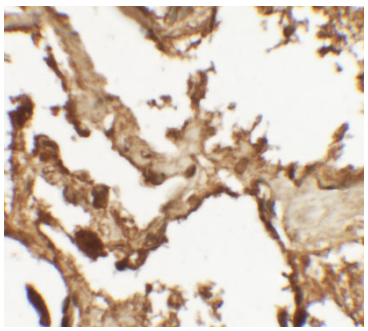
Form	Liquid
Concentration	1 mg/mL
Purification	VKORC1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	VKORC1 antibody can be used for detection of VKORC1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence 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.

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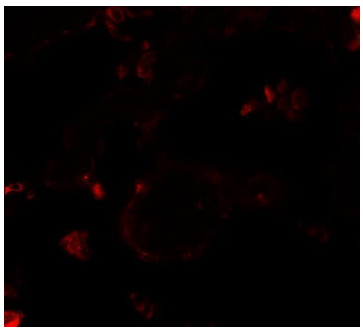
Anti-VKORC1 Antibody (A01059) Images



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.

For Research Use Only. Not for use in diagnostic procedures.