

VKORC1

Reactivity: Human

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:100

Calculated MW: 18kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human VKORC1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

VKOR; MST134; MST576; VKCFD2; EDTP308; IMAGE3455200;

Catalog #: A1467

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 79001

Isotype: IgG

Swiss Prot: Q9BQB6

Purity: Affinity purification

For research use only.

Background:

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.

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