

Product datasheet for **TA343292**

VKORC1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-VKORC1 antibody is: synthetic peptide directed towards the N-terminal region of VKORC1. Synthetic peptide located within the following region: LHVKAARARDRDYRALCDVGTAISCSRVFSSRLPADTLGLCPDAAELPGV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	10 kDa
Gene Name:	vitamin K epoxide reductase complex subunit 1
Database Link:	NP_996560 Entrez Gene 79001 Human Q9BQB6



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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.

Synonyms:

EDTP308; MST134; MST576; VKCFD2; VKOR

Note:

Immunogen Sequence Homology: Dog: 100%; Human: 100%; Bovine: 100%; Rabbit: 100%; Pig: 93%; Horse: 93%; Guinea pig: 93%; Rat: 86%; Mouse: 86%

Protein Families:

Transmembrane

Product images:

WB Suggested Anti-VKORC1 Antibody; Titration: 1.0 ug/ml; Positive Control: Fetal Brain