



Mouse Anti-Human PIVKA-II monoclonal antibody, clone N12454N (CABT-L2604)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	React with Human PIVKA-II Cross reactivity: Tested in an ELISA using the paired antibodies listed under applications. Prothrombin < 0.001% Thrombin < 0.001%
Immunogen	Synthetic immunogen
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	N12454N
Purification	Protein G purified.
Conjugate	Unconjugated
Applications	ELISA, CLIA We recommend the following antibodies for sandwich immunoassay (Capture - Detection): CABT-B9009 - CABT-L2604 Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Liquid
Concentration	Lot specific
Size	1 mg

Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	-20°C. Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction PIVKA-II is an abnormal form of prothrombin which is a blood coagulation protein synthesized in the liver. Usually it is converted to an active form by γ -carboxylation, however in patients with HCC or those with a vitamin K deficiency, this process is impaired and PIVKA-II is formed instead of prothrombin. Overall, PIVKA-II has shown to be an effective diagnostic biomarker in predicting the treatment response and clinical outcome of curative hepatic resection, chemotherapy, targeted therapy, radiotherapy and liver transplantation.

Keywords PROTEIN INDUCED VITAMIN K ANTAGONIST;Des-gamma carboxyprothrombin;protein induced by vitamin K absence/antagonist-II, PIVKA-II