



Anti-Phytanic Acid polyclonal antibody (DPAB1786)

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

PRODUCT INFORMATION

Specificity	Using a conjugate Phytanic acid-protein carrier, antibody specificity was performed with an ELISA test by competition experiments with the following compounds : Compounds Cross-reactivity ratio (a) Phytanic acid-BSA 1 Pristanic acid-BSA 1 Azel
Immunogen	Synthetic Phytanic acid conjugated to protein carriers.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Size	100 µl
Preservative	None
Storage	2 years at -20 °C

BACKGROUND

Introduction	Phytanic acid (or 3,7,11,15-tetramethyl hexadecanoic acid) is a branched chain fatty acid that humans can obtain through the consumption of dairy products, ruminant animal fats, and certain fish. Western diets are estimated to provide 50-100 mg of phytanic acid per day. In a study conducted in Oxford, individuals who consumed meat had, on average, a 6.7-fold higher geometric mean plasma phytanic acid concentration than did vegans.
Keywords	(7R,11R)-3,7,11,15-Tetramethylhexadecanoic acid; Phytanic acid