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**Anti-Conjugated Phytanic Acid
RABBIT POLYCLONAL**

Catalog Number: AB-T163
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic Phytanic Acid conjugated to bovine serum albumin

Specificity and Preparation:

Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.

This antibody targets conjugated Phytanic Acid. **This antibody does not recognize free phytanic acid.**

Using a conjugate Phytanic Acid-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
Phytanic acid-BSA	1
Azelaic acid-BSA	1/15
Palmitic acid-BSA	1/10,000
Myristic acid-BSA	1/>50,000
Oleic acid-BSA	1/>50,000
Farnésylcysteine-BSA	1/>50,000

BSA = Bovine Serum Albumin

§ Phytanic acid-BSA concentration/unconjugated or conjugated close-related compounds concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/5,000-1/10,000) and immunohistochemistry / immunocytochemistry (1/1,000-1/5,000). Store the antibody at 4°C for one month or -20°C in undiluted aliquots for up to one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

Available Control(s): Phytanic acid-BSA

To view protocol(s) for this and other products please visit: www.ATSBio.com/protocols