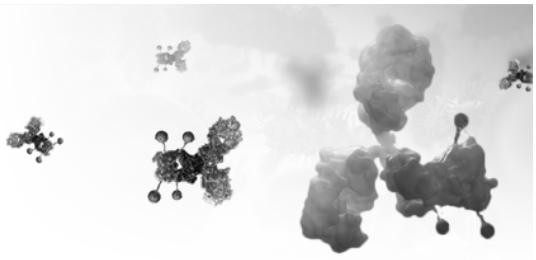

Rabbit Anti-Mite Tropomyosin Polyclonal Antibody (CABT-YN1493)

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

PRODUCT INFORMATION

Specificity	The pAb contains IgG antibodies to shellfish tropomyosin.
Target	Mite Tropomyosin
Immunogen	Purified natural Shrimp Tropomyosin
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Dermatophagoides pteronyssinus tropomyosin
Purification	Affinity chromatography using recombinant Protein G.
Conjugate	Unconjugated
Applications	ELISA Recommended dilution: ELISA: 1:1000 Final working dilutions must be determined by end user.
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	The pAb is in phosphate buffered saline, pH 7.4, containing 1% BSA/50% glycerol.
Preservative	None

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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Storage	Store at 4°C
Ship	Wet ice

BACKGROUND

Introduction	Among all food allergies, shellfish allergy is one of the most common types with a prevalence of 0.3% in the world population. Oyster, one of the typical representatives of shellfish, provides essential nutrients and benefits for human health. With the increase in production and consumption of oyster, the allergic diseases caused by it have also increased. Sensitized individuals exposed to oyster may suffer a series of immediate allergic reactions, which are characterized by gastrointestinal diseases, vascular plaques, itchy throat and even life-threatening anaphylaxis. To date, six shrimp allergens have been identified, including tropomyosin, myosin light chain, arginine kinase, troponin C, sarcoplasmic calcium binding protein and triose phosphate isomerase, whereas tropomyosin is the only well-identified allergen in oyster. Ishikawa et al. isolated the oyster major allergen, tropomyosin, from Crassostrea gigas for the first time and named it Cra g 1. Experiments have demonstrated that tropomyosin, a coil-coiled dimeric protein with a molecular weight of about 34–38 kDa, is a highly conserved actin-binding protein in muscle.
Keywords	shellfish tropomyosin; Tropomyosin

GENE INFORMATION

Protein Refseq	None

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