



# Rabbit anti Arachis hypogaea Ara h 1 polyclonal antibody (CABT-L082)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Binds to species specific epitopes present on Arachis hypogaea allergen, Ara h 1.
<b>Target</b>	Ara h 1
<b>Immunogen</b>	Ara h 1
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arachis hypogaea
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	PBS, pH 7.4, 0.22µm filtered, preservative free.
<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C.

## BACKGROUND

<b>Introduction</b>	Ara h 1 is a seed storage protein from Arachis hypogaea (peanuts). It is a heat stable 7S vicilin-like globulin with a stable trimeric form that comprises 12-16% of the total protein in peanut
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extracts. Ara h 1 is known because sensitization to it was found in 95% of peanut-allergic patients from North America. In spite of this high percentage, peanut-allergic patients of European populations have fewer sensitizations to Ara h 1. Ara h 1 is a vicilin, located in the protein fraction of the peanut cotyledon. Ara h 1 forms homotrimers, and due to its highly stable structure, mediated through hydrophobic interactions, it has been established as an allergen.

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**Keywords**

Arachis hypogaea; Conglutin; 2S protein 1; Seed storage protein SSP1; Seed storage protein SSP2; IgE-binding protein; Protease inhibitor; Seed storage; Allergen Ara h 1; Peanuts

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## GENE INFORMATION

**UniProt ID**

[P43238](#)

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