

## Rabbit Anti-CHIA/AF350 Conjugated antibody

SL13900R-AF350

<b>Product Name</b>	Anti-CHIA/AF350
<b>Chinese Name</b>	AF350 标记的哺乳动物酸性几丁质酶抗体
<b>Alias</b>	Acidic mammalian chitinase [Precursor]; AMCase; CHIT2; chitinase, acidic; DKFZp313J1722; ECF L; RP5 1125M8.1; TSA1902.
<b>Research Area</b>	Cell biology immunology Signal transduction Growth factors and hormones
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human,Rat(predicted:Mouse,Dog,Cow,Zebrafish,Sheep) IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	50kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration immunogen</b>	1mg/ml KLH conjugated synthetic peptide derived from human CHIA
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Product Detail</b>	<b>background:</b> The protein encoded by this gene degrades chitin, which is found in the cell wall of most fungi as well as in arthropods and some nematodes. The encoded protein can also stimulate interleukin 13 expression, and variations in this gene can lead to asthma susceptibility. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Apr

2012]

**Function:**

CHIA degrades chitin and chitotriose. May participate in the defense against nematodes and other pathogens. There are 3 named isoforms produced by alternative splicing. CHIA is induced via a T helper-2 (Th2)-specific, interleukin-13-mediated pathway in epithelial cells and macrophages. CHIA may be an important mediator of IL13-induced responses in Th2-dominated disorders such as asthma. CHIA hydrolysis N-acetyl-beta-D-glucosaminide 1,4-beta-linkages in chitin and chitodextrins.

**Subcellular Location:**

Isoform 1: Secreted Isoforms 2 and 3: Cytoplasmic

**Database links:**

[Entrez Gene: 27159](#) Human

[Entrez Gene: 81600](#) Mouse

[Entrez Gene: 113901](#) Rat

[GenBank: NM\\_021797.2](#) Human

[Omim: 606080](#) Human

[SwissProt: Q9BZP6](#) Human

[SwissProt: Q91XA9](#) Mouse

[SwissProt: Q6RY07](#) Rat

[Unigene: 46418](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.