



**Order Information**

Description: Rabbit anti-Ovalbumin  
 Catalogue#: 601-750  
 Lot#: See the label  
 Size: 100 ug/200 ul  
 Host: Rabbit  
 Clone: N/A  
 Application: ELISA, WB  
 Reactivity: Chicken

**Rabbit anti Ovalbumin Polyclonal Antibody**

Alternate Names: Ovalbumin; SERPINB14

**ANTIGEN PREPARATION**

A synthetic peptide corresponding to the 181-200aa of chicken egg white Ovalbumin protein.

**BACKGROUND**

Ovalbumin is a major protein isolated from chicken egg white. It is a 386 aa secreted protein. Allergy to chicken egg or proteins is one of the most frequent causes of food hypersensitivity in infants and young children. Both IgG and IgA class antibodies may be detected. Ovalbumin intolerance has been implicated in a number of conditions affecting children. In particular, children with cystic fibrosis show elevated anti-Ovalbumin antibodies. Ovalbumin antibodies have also been noted in some forms of kidney disease. A relationship between food allergy and infantile autism has also been observed. Children with insulin-dependent diabetes mellitus show an enhanced immune response to both  $\beta$ -actoglobulin and ovalbumin, a phenomenon that may be related to the development of the disease. Conditions related to ovalbumin intolerance usually resolve once egg and egg based foods have been withdrawn from the patient's diet. Intolerance to egg proteins could be due not only to the ovalbumin protein found in egg white but also to other major proteins present in the yolk. The major proteins of chicken eggs are: Ovalbumin (45 kda, 54%), Conalbumin (13%, 80 kda), Ovomuroid (11%, 28 kda), Lysozyme (3.5%, 14 kda), and other proteins.

**PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification.

**SPECIFICITY**

This antibody recognizes ~45 kDa of chicken egg white Ovomuroid protein.

**FORMULATION**

This affinity purified antibody is supplied in sterile phosphate-buffered saline (pH7.2) containing antibody stabilizer

**STORAGE**

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

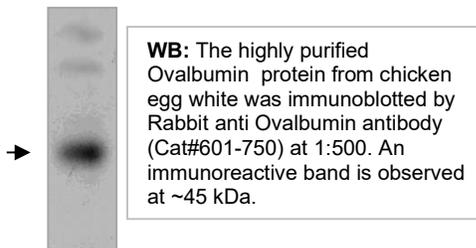
**APPLICATIONS/SUGGESTED WORKING DILUTIONS**

Western Blot	0.1-1 $\mu$ g/ml
ELISA	0.01-0.1 $\mu$ g/ml
Immunoprecipitation	N/A
IHC	N/A
Flow cytometry	N/A

<b>MOLECULAR WEIGHT:</b>	~45 kDa
<b>POSITIVE CONTROL:</b>	Ovalbumin
<b>CELLULAR LOCATION:</b>	N/A

Optimal dilutions should be determined by researchers for the specific applications.

**DATA ATTACHMENTS**



**REFERENCES**

Henderson, J.Y., Moir, A.J., Fothergill, L.A. and Fothergill, J.E. Sequences of sixteen phosphoserine peptides from ovalbumins of eight species. Eur. J. Biochem. 114 (2), 439-450 (1981).

**FOR RESEARCH USE ONLY.**

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