

## Product datasheet for **AP33373SU-N**

### OVAL Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> 1/500.
Reactivity:	Chicken
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Ovalbumin purified from Chicken egg whites.
Specificity:	This antibody detects Chicken Ovalbumin. Other species not tested.
Formulation:	State: Serum State: Lyophilized Serum, 137 mM D(-)-mannitol
Reconstitution Method:	Restore in aqua bidest to initial volume
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ovalbumin (SERPINB14)
Database Link:	<a href="#">Entrez Gene 396058 Chicken P01012</a>



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**Background:**

Chicken Ovalbumin is the major protein in the "white" of the egg (and a favorite antigen in immunological research). Egg white contains a variety of proteins including ovalbumin, conalbumin, ovomucoid and lysozyme. It belongs to the serpin family and the Ov serpin subfamily. Ovalbumin can cause an allergic reaction in humans. Ovalbumin has been implicated in the development of the egg shell. Immunohistochemistry revealed that ovalbumin is found only in the mammillary bodies of decalcified shell, and is not distributed throughout the shell matrix. These results indicate that ovalbumin is present during the initial phase of shell formation and becomes incorporated into the protein matrix of the mammillary bodies. However, it is not yet clear whether ovalbumin at this site plays a specific role in shell mineralisation.

**Synonyms:**

SERPINB14, Egg albumin, Plakalbumin, Allergen Gal d II