



Datasheet for ABIN5662630

Rabbit anti-Chicken IgY Antibody (Biotin)



[Go to Product page](#)

1 Publication

Overview

Quantity:	200 µL
Target:	IgY
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Chicken IgY
Isotype:	IgG
Purification:	Purified by Protein A.

Target Details

Target:	IgY
Abstract:	IgY Products
Target Type:	Antibody
Background:	In chickens, immunoglobulin Y is the functional equivalent to Immunoglobulin G (IgG). Like IgG, it is composed of two light and two heavy chains. Structurally, these two types of immunoglobulin differ primarily in the heavy chains, which in IgY have a molecular mass of about 65,100 atomic mass units (amu), and are thus larger than in IgG. The light chains in IgY,

Target Details

with a molar mass of about 18,700 amu, are somewhat smaller than the light chains in IgG. The molar mass of IgY thus amounts to about 167,000 amu. The steric flexibility of the IgY molecule is less than that of IgG. Functionally, IgY is partially comparable to Immunoglobulin E (IgE), as well as to IgG. However, in contrast to IgG, IgY does not bind to Protein A, to Protein G, or to cellular Fc receptors. Furthermore, IgY does not activate the complement system. The name Immunoglobulin Y was suggested in 1969 by G.A. Leslie and L.W. Clem, after they were able to show differences between the immunoglobulins found in chicken eggs, and immunoglobulin G. Other synonymous names are Chicken IgG, Egg Yolk IgG, and 7S-IgG. Synonyms: Egg yolk immunoglobulin, IgY.

Application Details

Application Notes: WB 1:500-2000
IHC-P 1:500-2000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Aliquot to Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store at -20°C

Expiry Date: 12 months

Publications

Product cited in: Ren, Wang, Ma, Yuan, Zhang, Yu, Hao: "Arnebina preventing the expression of Muc1 protein decrease results in anti-implantation in early pregnant mice." in: **Contraception**, Vol. 83, Issue 4,

pp. 378-84, (2011) ([PubMed](#)).