

Datasheet for ABIN5662629

Rabbit anti-Chicken IgY Antibody (AbBy Fluor® 647)[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	IgY
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	AbBy Fluor® 647
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (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: IF(IHC-P)(1:50-200)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % sodium azide.

Preservative: Sodium azide

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

Handling Advice: Product is photosensitive and should be protected from light.

Storage: -20 °C

Storage Comment: Store at 4°C

Expiry Date: 12 months