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Datasheet for ABIN101013 Goat anti-Chicken IgG (Heavy & Light Chain) Antibody -Preadsorbed



Image

Overview

Quantity:	1 mg
Target:	lgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Chicken
Host:	Goat
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Chicken IgG whole molecule
lsotype:	lgG
Specificity:	IgG (H&L)
Cross-Reactivity:	Chicken
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: immunoaffinity chromatography using Chicken IgG coupled to agarose beads
Sterility:	Sterile filtered

Target Details

Target:	lgG
Abstract:	IgG Products

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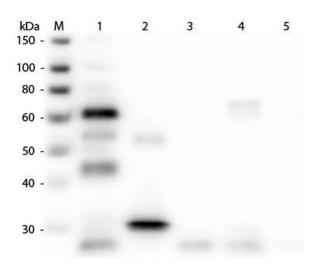
Target Details

Target Type:	Antibody
Background:	Synonyms: goat anti-Chicken IgG Antibody
	Background: Anti-Chicken IgG Antibody generated in goat detects chicken IgG. Secreted as part
	of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 $\%$ of
	serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and
	facilitates their destruction or neutralization via agglutination (and thereby immobilizing them),
	activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG
	molecule possesses both the $F(c)$ region, recognized by high-affinity Fc receptor proteins, as
	well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of
	the antibody molecule are present.

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:1,000 - 1:5,000
	Application Note: Anti-Chicken IgG antibody is suitable for ELISA, western blot, and
	immunohistochemistry, as well as other assays requiring lot-to-lot consistency.
	ELISA Dilution: 1:600,000
	Western Blot Dilution: 1:2,000 - 1:10,000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1.1 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
	Stabilizer: None
	Preservative: 0.01 % (w/v) 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.
Storage:	4 °C,-20 °C
Expiry Date:	12 months

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Western Blotting

Image 1. Western Blot of Anti-Chicken IgG (H&L) (GOAT) Antibody (Min X Bv Gt GP Ham Hs Hu Ms Rb Rt & Sh Serum Proteins) . Lane M: 3 µl Molecular Ladder. Lane 1: Chicken IgG whole molecule . Lane 2: Chicken IgG F(c) Fragment . Lane 3: Chicken IgG Fab Fragment . Lane 4: Chicken IgM Whole Molecule . Lane 5: Chicken Serum . All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Chicken IgG (H&L) (GOAT) Antibody (Min X Bv Gt GP Ham Hs Hu Ms Rb Rt & Sh Serum Proteins) 1:3,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Obsevered Size: 25 and 72 kDa for Chicken IgG and Serum, 25 kDa for F(c) and Fab, 75 kDa for IgM. Chicken F(c) migrates slightly higher.