

Datasheet for ABIN964977

## Goat anti-Rabbit IgG (Heavy & Light Chain) Antibody (HRP)

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### Overview

Quantity:	100 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Dot Blot (DB), Immunoelectron Microscopy (IEM)

### Product Details

Immunogen:	Anti-Rabbit IgG was produced by repeated immunization with rabbit whole IgG molecule in goat.
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Anti-Rabbit IgG peroxidase conjugated antibody generated in goat detects specifically rabbit IgG. This secondary peroxidase conjugated antibody anti-Rabbit is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays. Concentration Definition: by UV absorbance at 280 nm

## Target Details

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Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody
Background:	Synonyms: Rabbit Antibody peroxidase conjugated, Gt-a-Rabbit peroxidase conjugated IgG, Rabbit proxidase conjugated Antibody in Goat, Rabbit Secondary peroxidase conjugated Antibody, peroxidase.

## Application Details

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Application Notes:	Anti-Rabbit IgG peroxidase conjugated antibody is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency.
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Gentamicin sulfate
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	4 °C

## Publications

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Product cited in:	Cong, Gong, Yang, Xia, Zhang: "miR-22 Suppresses Tumor Invasion and Metastasis in Colorectal Cancer by Targeting NLRP3." in: <b>Cancer management and research</b> , Vol. 12, pp. 5419-5429, (2020) ( <a href="#">PubMed</a> ).
	Nuwer, Fleck: "Anterograde trafficking signals in GABAA subunits are required for functional expression." in: <b>Channels (Austin, Tex.)</b> , Vol. 13, Issue 1, pp. 440-454, (2020) ( <a href="#">PubMed</a> ).

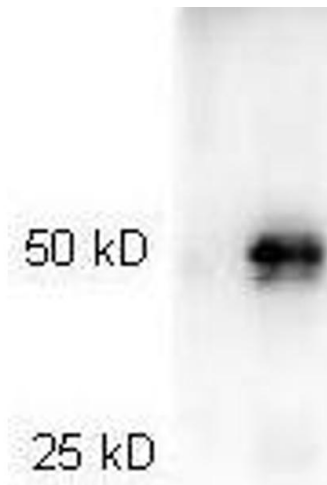
Agrawal, Lehtonen, Uusi-Mäkelä, Jain, Viitala, Määttä, Kähkönen, Azizi, Riihimäki, Kulomaa, Johnson, Hytönen, Airene: "Molecular features of steroid-binding antidiins and their use for assaying serum progesterone." in: **PLoS ONE**, Vol. 14, Issue 2, pp. e0212339, (2019) ([PubMed](#)).

Shrestha, Ahn, Staples, Sathyan, Karpova, Foltz, Basrai: "Mislocalization of centromeric histone H3 variant CENP-A contributes to chromosomal instability (CIN) in human cells." in: **Oncotarget**, Vol. 8, Issue 29, pp. 46781-46800, (2018) ([PubMed](#)).

Millonig, Ganzleben, Peccerella, Casanovas, Brodziak-Jarosz, Breitkopf-Heinlein, Dick, Seitz, Muckenthaler, Mueller: "Sustained submicromolar H<sub>2</sub>O<sub>2</sub> levels induce hepcidin via signal transducer and activator of transcription 3 (STAT3)." in: **The Journal of biological chemistry**, Vol. 287, Issue 44, pp. 37472-82, (2013) ([PubMed](#)).

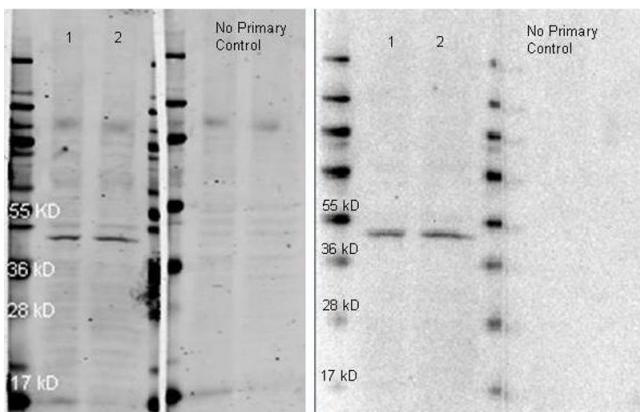
There are more publications referencing this product on: [Product page](#)

Images



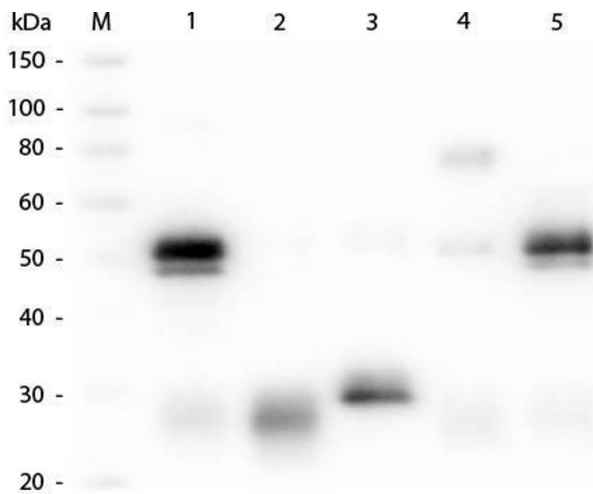
Western Blotting

Image 1.



Western Blotting

**Image 2.** Western Blot of Goat anti-Rabbit IgG Peroxidase Conjugated Antibody. Lane 1: HeLa Whole Cell Lysate. Lane 2: NIH 3T3 Whole Cell Lysate. Load: 10 µg per lane. Primary antibody: Beta Actin antibody at 1:2,000 for overnight at 4°C. Secondary antibody (2 Blots on Left): Atto 647N goat secondary antibody at 1:10,000 for 60 min at RT. Secondary Antibody (2 Blots on Right): Peroxidase goat secondary antibody at 1:10,000 for 60 min at RT. Block: 5% BLOTTO



overnight at 4°C. Predicted/Observed size: 50 kDa, 50 kDa for Beta Actin. Other band(s): none.

### Western Blotting

**Image 3.** Western Blot of Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins) . Lane M: 3 µl Molecular Ladder. Lane 1: Rabbit IgG whole molecule . Lane 2: Rabbit IgG F(ab) Fragment . Lane 3: Rabbit IgG F(c) Fragment . Lane 4: Rabbit IgM Whole Molecule . Lane 5: Normal Rabbit Serum . All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins) 1:1,000 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 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.