

Datasheet for ABIN7539583

Goat anti-Rabbit IgG (Heavy & Light Chain) Antibody (HRP)[2](#) Images[109](#) Publications[Go to Product page](#)

Overview

Quantity:	1 mg
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)

Product Details

Purpose:	Goat Anti-Rabbit IgG H&L (HRP)
Immunogen:	Rabbit IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Rabbit IgG and Rabbit Serum.
Grade:	High-quality product from Rockland

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Immunoglobulin heavy constant gamma 1, Ig gamma-1 chain C region, Ig gamma-1 chain C region EU, Ig gamma-1 chain C region KOL, Ig gamma-1 chain C region NIE, IGHG1

Application Details

Application Notes:	Anti-Rabbit IgG Peroxidase Conjugated Antibody has been tested by ELISA and western blot and is suitable for ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation, Immunohistochemistry as well as other HRP antibody based assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Restore with deionized water (or equivalent)
Concentration:	2.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Gentamicin Sulfate, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Publications

Product cited in:

Mochizuki, Okumo, Takemura, Izukashi, Tatsuo, Ikemoto, Adachi, Kawate, Sunagawa: "Suppressive Activity of Boiogito, a Japanese Traditional Kampo Medicine, on Periostin Secretion in Human Fibroblast-Like Synoviocytes In Vitro." in: **Cureus**, Vol. 16, Issue 4, pp. e57690, (2024) ([PubMed](#)).

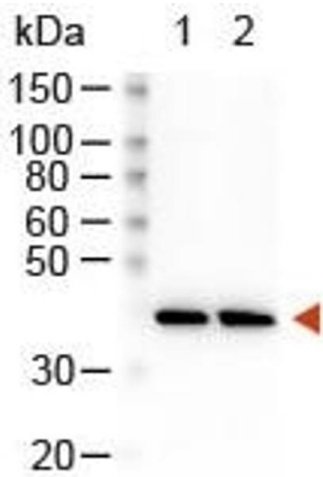
He, Wu, Sun, Yuan, Hu, Yang, Chen, Yan, Yin, Zhang, Li: "Functional assessment of a novel biallelic MYH3 variation causing CPSKF1B (contractures, pterygia, and spondylocarpotarsal fusion syndrome1B)." in: **Molecular genetics & genomic medicine**, Vol. 12, Issue 3, pp. e2401, (2024) ([PubMed](#)).

Guo, Sperber, Krieger, Duan, Chemelewski, Sacchettini, Herman: "Bacillus subtilis YisK possesses oxaloacetate decarboxylase activity and exhibits Mbl-dependent localization." in: **Journal of bacteriology**, Vol. 206, Issue 1, pp. e0020223, (2024) ([PubMed](#)).

Traczyk, Hromada-Judycka, Świątkowska, Wiśniewska, Ciesielska, Kwiatkowska: "Diacylglycerol kinase-ε is S-palmitoylated on cysteine in the cytoplasmic end of its N-terminal transmembrane fragment." in: **Journal of lipid research**, Vol. 65, Issue 1, pp. 100480, (2024) ([PubMed](#)).

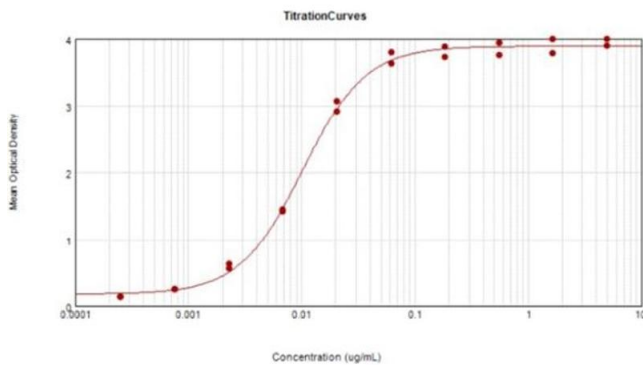
van Soest, Polderman, den Toom, Keijer, van Roosmalen, Leyten, Lehmann, Zwakenberg, De Henau, van Boxtel, Burgering, Dansen: "Mitochondrial H₂O₂ release does not directly cause damage to chromosomal DNA." in: **Nature communications**, Vol. 15, Issue 1, pp. 2725, (2024) ([PubMed](#)).

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



Western Blotting

Image 1. Western Blot of Peroxidase Conjugated Goat Anti-Rabbit Antibody. Lane 1: HeLa Whole Cell Lysate. Lane 2: NIH/3T3 Whole Cell Lysate. Load: 10 μ g per lane. Primary antibody: Beta Actin Antibody at 1:1000 for overnight at 4°C. Secondary antibody: Peroxidase Conjugated Goat Anti-Rabbit Antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 42 kDa



ELISA

Image 2. ELISA results of Goat Anti-Rabbit IgG Antibody Peroxidase Conjugated tested against purified Rabbit IgG protein. Each well was coated in duplicate with 10 μ g of Rabbit IgG (ABIN5633245). The starting dilution of antibody was 5 μ g/ml and the X-axis represents the Log10 of a 3-fold dilution. The titer is 1:98,500. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer and TMB substrate ABIN925630.