Datasheet for ABIN7539584

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

55 Publications

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Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Dot Blot (DB)

Product Details

Purpose:	Goat Anti-Mouse IgG H&L (HRP)
Immunogen:	Anti-Mouse IgG whole molecule was produced by repeated immunization with Mouse IgG whole molecule in goat. Immunogen Type: Native Protein
Isotype:	IgG
Specificity:	IgG (H&L)
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Mouse IgG and Mouse Serum.

Product Details

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-Mouse secondary antibody conjugated to horseradish peroxidase (HRP) generated in goat detects specifically Mouse IgG whole molecule. This anti-Mouse HRP 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

Handling

	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:

Kücük, Abbey, Schmitt, Henninger, Fritz: "Cardiomyocytes, cardiac endothelial cells and fibroblasts contribute to anthracycline-induced cardiac injury through RAS-homologous small GTPases RAC1 and CDC42." in: **Pharmacological research**, Vol. 203, pp. 107165, (2024) (PubMed).

Hummels, Berry, Li, Taguchi, Min, Walker, Marks, Bernhardt: "Coordination of bacterial cell wall and outer membrane biosynthesis." in: **Nature**, Vol. 615, Issue 7951, pp. 300-304, (2023) (PubMed).

Halmi, Wu, Taneyhill: "Neural crest cell-placodal neuron interactions are mediated by Cadherin-7 and N-cadherin during early chick trigeminal ganglion assembly." in: **F1000Research**, Vol. 11, pp. 741, (2023) (PubMed).

Castro-Córdova, Otto-Medina, Montes-Bravo, Brito-Silva, Lacy, Paredes-Sabja: "Redistribution of the Novel Clostridioides difficile Spore Adherence Receptor E-Cadherin by TcdA and TcdB Increases Spore Binding to Adherens Junctions." in: **Infection and immunity**, Vol. 91, Issue 1, pp. e0047622, (2023) (PubMed).

Bina, Hines, Sanyal, Taneyhill: "Neurogenin 2 and Neuronal Differentiation 1 Control Proper Development of the Chick Trigeminal Ganglion and Its Nerve Branches." in: **Journal of developmental biology**, Vol. 11, Issue 1, (2023) (PubMed).

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