Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP

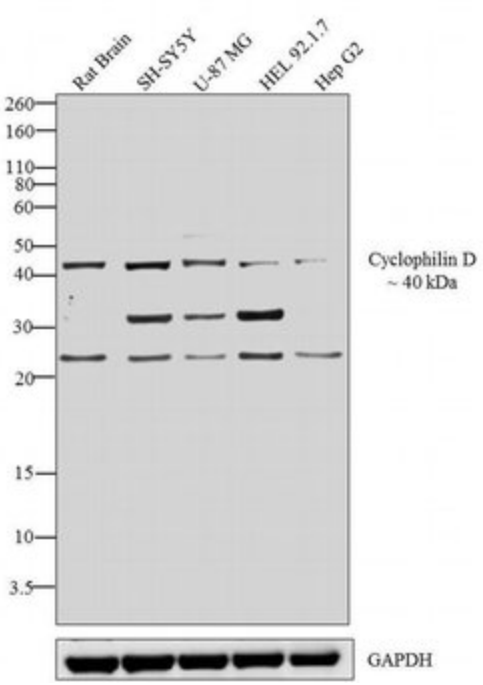
Product Details	
Size	1 mg
Species	Rabbit
Published Species	Rabbit
Expression System	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Lyophilized
Purification	purified
Storage buffer	PBS
Contains	0.01% thimerosal
Storage Conditions	-20°C
RRID	AB_2536530

Applications	Tested Dilution	Publications
ELISA (ELISA)	1:500-1:2,000	-
Immunohistochemistry (IHC)	1:500-1:2,000	2 Publications
Immunoprecipitation (IP)	1:5000	-
Western Blot (WB)	1:10,000-1:200,000	36 Publications
Miscellaneous PubMed (Misc)	-	153 Publications

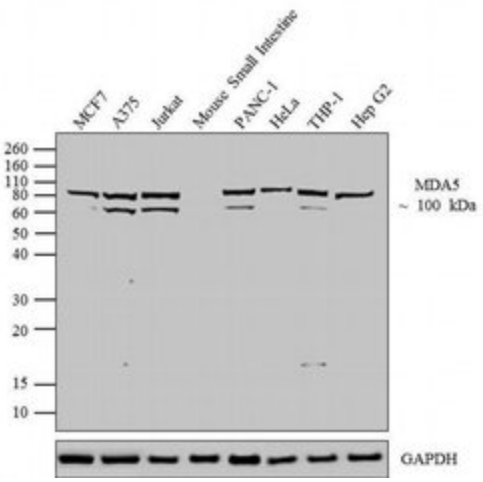
Product Specific Information

Storage and reconstitution: when stored desiccated at or below -20°C, the lyophilized powder is stable for at least one year. Reconstitute using 1 mL PBS, pH 7.2, to yield a 1 mg/mL stock solution containing 0.01% thimerosal. After reconstitution, store product at 4°C.

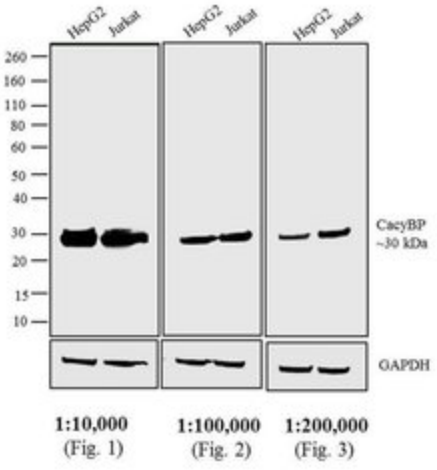
Product Images For Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP



Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody (G-21234) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of Rat Brain (Lane 1), SH-SY5Y (Lane 2), U-87 MG (Lane 3), HEL 92.1.7 (Lane 4) and Hep G2 (Lane 5). The blots were probed with Anti-Cyclophilin D Rabbit Polyclonal Antibody (Product # PA3-023, 1:500 - 1:2000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate (Product # G-21234, 1:5000 dilution). A 40 kDa band corresponding to Cyclophilin D along with additional bands at ~ 21, 35 kDa was observed across cell lines tested which mat correspond to other Cyclophilin isoforms. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a transferred onto a nitrocellulose membrane with Pierce™ Power Blotter System (22834). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody (G-21234) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of MCF7 (Lane 1), A375 (Lane 2), Jurkat (Lane 3), Mouse Small Intestine (Lane 4), PANC-1 (Lane 5), HeLa (Lane 6), THP-1 (Lane 7) and Hep G2 (Lane 8). The blots were probed with Anti-MDA5 Rabbit Monoclonal Antibody (Product # 700360, 4-6 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate (Product # G-21234, 1:5000 dilution). A 100 kDa band corresponding to MDA5 was observed across the cell lines tested except in Mouse Small Intestine. Known quantity of protein samples were electrophoresed using Novex® NuPAGE®10 % Bis-Tris gel (Product # NP0301BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with PierceTM Power Blotter System (Product # 22834). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody (G-21234) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of Hep G2 (Lane 1) and Jurkat (Lane 2). The blots were probed with Anti-CacyBP Rabbit Polyclonal Antibody (Product # 720326, 1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP (Product # G-21234) at dilutions 1:10,000 (Fig. 1), 1:100,000 (Fig. 2) and 1:200,000 (Fig. 3). A 30 kDa band corresponding to CacyBp was observed. Known quantity of protein samples were electrophoresed using Novex® NuPAGE®12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary antibody after blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

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191 References

Miscellaneous PubMed (153)

Wellcome open research

C57BL/6 and 129 inbred mouse strains differ in Gbp2 and Gbp2b expression in response to inflammatory stimuli *in vivo*.

"G-21234 was used in Western Blotting to demonstrate functional differences between 129 and C57BL/6 Gbp alleles which need to be considered in the design and interpretation of studies utilizing mouse models, particularly for phenotypes influenced by Gbp2 or Gbp2b expression."

Authors: Clough B,Finethy R,Khan RT,Fisch D,Jordan S,Patel H,Coers J,Frickel EM

Species
Not Applicable

Dilution
1:20000

Year
2020

PloS one

Abundances of placental imprinted genes CDKN1C, PHLDA2 and IGF-2 are related to low birth weight and early catch-up growth in full-term infants born small for gestational age.

"G-21234 was used in Western Blotting to assess the levels of three imprinted genes CDKN1C, PHLDA2 and IGF-2 in placental tissue and analyzed their influences on catch-up growth in small for gestational age (SGA) infants."

Authors: Xing Y,Liu H,Cui Y,Wang X,Tong X

Species
Rabbit
Not Applicable

Dilution
1:10000
1:10000

Year
2020

View more Misc references on thermofisher.com

Western Blot (36)

PloS one

Abundances of placental imprinted genes CDKN1C, PHLDA2 and IGF-2 are related to low birth weight and early catch-up growth in full-term infants born small for gestational age.

"G-21234 was used in Western Blotting to assess the levels of three imprinted genes CDKN1C, PHLDA2 and IGF-2 in placental tissue and analyzed their influences on catch-up growth in small for gestational age (SGA) infants."

Authors: Xing Y,Liu H,Cui Y,Wang X,Tong X

Species
Rabbit
Not Applicable

Dilution
1:10000
1:10000

Year
2020

PloS one

RNA structural analysis of the MYC mRNA reveals conserved motifs that affect gene expression.

"G-21234 was used in Western Blotting to provide numerous, potentially druggable RNA targets for the MYC gene, which is considered "undruggable" at the protein level."

Authors: O'Leary CA,Andrews RJ,Tompkins VS,Chen JL,Childs-Disney JL,Disney MD,Moss WN

Species
Rabbit
Not Applicable

Dilution
1:2000
1:2000

Year
2020

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More applications with references on thermofisher.com

IHC (2)