

Rabbit anti-Goat IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor™ 790

Product Details	
Size	1 mg
Species Reactivity	Goat
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Superclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 790
Excitation/Emission Max	782/805 nm
Immunogen	Recombinant full-length protein
Form	Liquid
Concentration	1 mg/mL
Purification	Gravity column chromatography
Storage buffer	PBS
Contains	5mM sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2536083

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:20,000	-

Product Specific Information

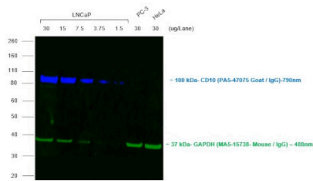
The sensitivity and specificity of each lot is confirmed using ELISA.

Minimal cross-reactivity with mouse, rat, human, bovine, guinea pig, and donkey IgG is observed.

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

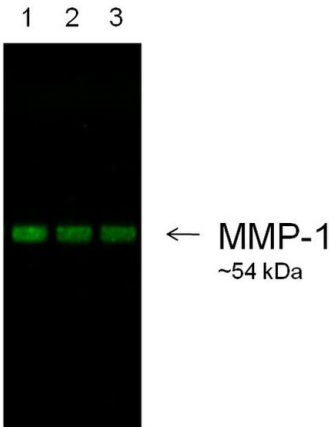
Goat IgG (Heavy Chain) Secondary Antibody (A27019) in WB

Fluorescent western blot was performed using Rabbit anti-Goat IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor™790 (Product # A27019). Whole cell extracts of LNCaP (Lane 1, 2, 3, 4, 5), PC-3 (Lane 6) and HeLa (Lane 7) are electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03222BOX). Resolved proteins were transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with CD10 Goat IgG Polyclonal Antibody (Product # PA5-47075), and GAPDH Monoclonal Antibody (Product # MA5-15738). Secondary antibodies (Product # A27019, 1:20,000 dilution), and (Product # A28175, 1:10,000 dilution) were used for detection of CD10, and GAPDH respectively. Fluorescent detection was performed using iBright™ FL1500 (Product # A44115). The anti-goat secondary antibody (Product # A27019) specifically detects the goat primary antibody.



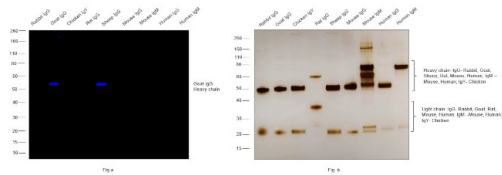
Goat IgG (Heavy Chain) Secondary Antibody (A27019) in WB

Expression of endogenous MMP-1 was detected using the Goat anti-MMP1 primary antibody and Rabbit anti-Goat IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 790 Conjugate (Product # A27019) (1 µg/mL 1:1000 dilution). Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa human cervical carcinoma cells (lane 1-3) using the Xcell Surelock Electrophoresis system and iBlot® Dry Blotting System.



Goat IgG (Heavy Chain) Secondary Antibody (A27019) in WB

Western blot was performed using Rabbit anti-Goat IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor™790 (Product # A27019) and ~55 kDa band corresponding to IgG Heavy Chain was observed in Goat IgG but not in Rabbit IgG, Chicken IgY, Rat IgG, Mouse IgG, Mouse IgM, Human IgG and Human IgM. Purified protein (500 ng) of Rabbit IgG (Lane 1), Goat IgG (Lane 2), Chicken IgY (Lane 3), Rat IgG (Lane 4), Sheep IgG (Lane 5), Mouse IgG (Lane 6), Mouse IgM (Lane 7), Human IgG (Lane 8), Human IgM (Lane 9) (Fig. a) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Rabbit anti-Goat IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor™790 (Product # A27019, 1:2500 dilution) and detected using the iBright™ FL1500 (Product # A44115). Silver staining was performed to establish equivalent loading of purified proteins using the Pierce™ Silver Stain Kit (Product # 24612) (Fig. b). The anti-goat secondary antibody (Product # A27019) shows cross reactivity with sheep IgG.



Smooth muscle atrophy and colon pathology in SMN deficient mice. Am J Transl Res (2019)

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