



Rabbit TrueBlot® Western Blot Kit - 88-8886-31

Code: 88-8886-31

Size: 1 Kit

Product Description: Rabbit TrueBlot® Western Blot Kit - 88-8886-31

PhysicalState: Liquid (sterile filtered)

Label	HRP TrueBlot® ULTRA for IP/WB
Host	Mouse
Species Reactivity	Rabbit
Buffer	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol
Storage Condition	Store Kit at 2-8 °C, except Rabbit TrueBlot® which should be stored at -20 °C. This product is guaranteed for 6 months upon receipt, when handled and stored as instructed.
Synonyms	HRP, TrueBlot, HRP TrueBlot ULTRA, Peroxidase TrueBlot, TrueBlot for IP/WB, TrueBlot for immunoprecipitation, TrueBlot for western blotting, TrueBlot for chemiluminescent western blotting
Application Note	<p>Rabbit IgG TrueBlot® is provided as 1000X solution. To conserve reagent, we recommend incubating the blots from minigels in sealed bags (removing as much air as possible) with minimal volume (2-3 mLs). If used conservatively at 2.5mls/blot will yield enough reagent for 20 blots. Rabbit IgG TrueBlot®. An HRP-conjugated second step reagent reacting with goat IgGs for optimal signal detection in immunoprecipitation/immunoblotting experiments. Note that there are three key procedural considerations: 1. Protein A or G should not be used for the immunoprecipitation. Use of protein A or G beads with the rabbit TrueBlot will result in contaminating bands. For immunoprecipitation, Anti-Rat IgG beads, or Anti-Rabbit IgG beads should be used for rat or rabbit immunoprecipitating antibodies, respectively. 2. Immunoprecipitate should be completely reduced. 3. BLOTTO/Milk should be used as the blocking protein for the immunoblot. A sample of Anti-Alpha-Tubulin (MOUSE) Monoclonal Antibody Cat #(200-301-880S), has been provided to be used as a loading control at the user's discretion. Dilutions are to be optimized by the user. Rabbit TrueBlot Western Blot Kit Components: 1. Rabbit IgG TrueBlot: 50 L. 18-8816-31; 2. TrueBlot Enhancer Solution: 25 mL; 3. TrueBlot Blocker: 10 g; 4. TrueBlot Assay Buffer: 30 mL, 20X; 5. TrueBlot Substrate A: 12.5 mL; 6. TrueBlot Substrate B: 12.5 mL; 7. Western Blot Incubation Tray. 8. Anti-Alpha-Tubulin (MOUSE) Monoclonal Antibody - 200-301-880S.</p>
Background	<p>The Rabbit TrueBlot® Western Blot Kit contains the critical supporting reagents, buffers, and substrates for immunoprecipitation and Western blotting of samples using TrueBlot second step immunoblotting reagents in conjunction with your own primary IP antibody and primary (Rabbit IgG) Western blotting antibody (see application note for kit components). Rabbit IgG TrueBlot® is the unique horseradish peroxidase conjugated Anti-Rabbit IgG immunoblotting second step reagent which enables detection of immunoblotted target protein bands, without hindrance by interfering immunoglobulin heavy and light chains from your IP antibody. Use it in place of your conventional HRP Anti-Rabbit IgG immunoblotting secondary antibody. It is easy to generate publication-quality IP/WB data with Rabbit IgG TrueBlot®. Rabbit IgG TrueBlot is ideal for use in protocols involving immunoblotting of immunoprecipitated proteins. TrueBlot preferentially detects the non-reduced form of rabbit IgG over the reduced, SDS-denatured form of IgG. When the immunoprecipitate is fully reduced immediately prior to SDS-gel electrophoresis, reactivity of Rabbit IgG TrueBlot with the 55 kDa heavy chains and the 23 kDa light chains of the immunoprecipitating antibody is minimized thereby eliminating interference by the heavy and light chains of the immunoprecipitating antibody in IP/immunoblot applications. Applications include studies examining post-translational modification (e.g., phosphorylation or acetylation) or protein-protein interactions. Rabbit IgG TrueBlot may also be used for detection in immunoblotting assays that do not employ immunoprecipitation.</p>
Purity And Specificity	<p>Rabbit TrueBlot® Antibody Peroxidase Conjugate was prepared from tissue culture supernatant by Protein G affinity chromatography. Assay by Immunoelectrophoresis resulted in a single precipitin arc against Anti-Goat Serum. Reactivity is observed against native Rabbit IgG by both Western blot and ELISA.</p>
Western Blot	1:1000
Expiration	Expiration date is six (6) months from date of opening.

General Reference

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- DiPerna, G., J. Stack, A.G. Bowie, A. Boyd, G. Kotwal, Z. Zhang, S. Arvikar, E. Latz, K.A. Fitzgerald, and W.L. Marshall. 2004. Poxvirus protein N1L targets the I-kappaB Kinase complex, inhibits signaling to NF-kappaB by the Tumor Necrosis Factor superfamily of receptors, and inhibits NF-kappaB and IRF3 signaling by Toll-like Receptors. *J. Biol. Chem.* 279: 36570-36578. (Rabbit IgG TrueBlot, PubMed)
- Zhang, X., Y. Ozawa, H. Lee, Y. Wen, T. Tan, B. Wadzinski, and E. Seto. 2005. Histone deacetylase 3 (HDAC3) activity is regulated by interaction with protein serine/threonine phosphatase 4. *Genes & Development*. 19: 827-839. (Rabbit IgG TrueBlot, PubMed)
- Lehtonen, S., E. Lehtonen, K. Kudlicka, H. Holthöfer, and M.G. Farquhar. 2004. Nephrin Forms a Complex with Adherens Junction Proteins and CASK in Podocytes and in Madin-Darby Canine Kidney Cells Expressing Nephrin. *Am J Pathol.* 165:923-936. (Rabbit IgG TrueBlot, PubMed)
- Tyagi A, Agarwal C, Harrison G, Glode LM, Agarwal R. 2004. Silibinin causes cell cycle arrest and apoptosis in human bladder transitional cell carcinoma cells by regulating CDKI-CDK-cyclin cascade, and caspase 3 and PARP cleavages. *Carcinogenesis*. 25: 1711-20. (Mouse IgG TrueBlot, PubMed)

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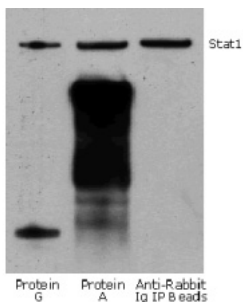
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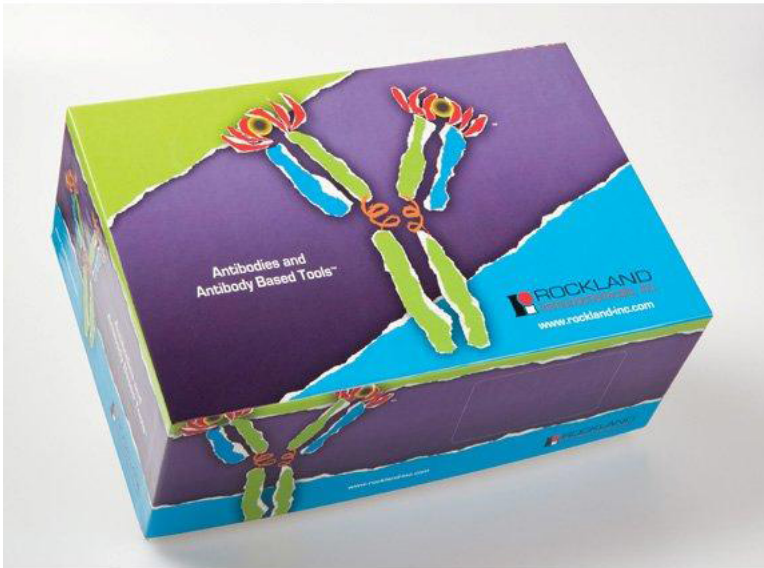
[Rabbit IgG TrueBlot IP Western Blot Protocol](#)

Images

- 1 Rabbit TrueBlot® IP / Western Blot: Jurkat cell lysate (0.5 ml of 1x10⁷ cells/ml) was incubated with rabbit anti-human Stat1 and immunoprecipitated using Protein G, Protein A and Anti-Rabbit Ig IP Beads. Precipitate from 5x10⁵ cells was subjected to electrophoresis, transferred to a PVDF membrane, and Western blotted with anti-Stat1 using Rabbit TrueBlot®: Anti-Rabbit IgG HRP



- 2 Rockland produces kits to meet the requirements of researchers for highly sensitive antibody based assays. Rabbit TrueBlot Western Blot Kit Components: 1. Rabbit IgG TrueBlot: 50 µL. 18-8816-31; 2. TrueBlot Enhancer Solution: 25 mL; 3. TrueBlot Blocker: 10 g; 4. TrueBlot Assay Buffer: 30 mL, 20X; 5. TrueBlot Substrate A: 12.5 mL; 6. TrueBlot Substrate B: 12.5 mL; 7. Western Blot Incubation Tray. 8. Anti-Alpha-Tubulin (MOUSE) Monoclonal Antibody - 200-301-880S.



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