Rabbit TrueBlot®: Anti-Rabbit IgG HRP - 18-8816-31

Code: 18-8816-31 **Size:** 50 µL

Product Description: Rabbit TrueBlot®: Anti-Rabbit IgG HRP - 18-8816-31

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	HRP TrueBlot® ULTRA for IP/WB
Host	Mouse
Species Reactivity	Rabbit
Buffer	0.02 M Potassium 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 at -20 °C. This product is guaranteed for 1 year 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
Application Note	Rabbit IgG TrueBlot may also be used for detection in immunoblotting assays that do not employ immunoprecipitation. 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. 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.
Background	Rabbit IgG TrueBlot® is a unique horseradish peroxidase conjugated Anti-Rabbit IgG immunoblotting (second step) reagent. Rabbit IgG TrueBlot® enables detection of immunoblotted target protein bands, without hindrance by interfering immunoprecipitating immunoglobulin heavy and light chains. It is easy to generate publication-quality IP/Western Blot data with Rabbit IgG TrueBlot®, simply substitute the conventional HRP Anti-Rabbit IgG blotting reagent with Rabbit IgG TrueBlot® and follow the prescribed protocol for sample preparation and immunoblotting. 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/Western blot applications. Applications include studies examining post-translational modification (e.g., phosphorylation or acetylation) or protein-protein interactions.
Purity And Specificity	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-Rabbit Serum. Reactivity is observed against native Rabbit IgG by both Western blot and ELISA.
Western Blot	1:1000
Expiration	Expiration date is six (6) months from date of opening.
General Reference	Kong, D., L. Xu, Y. Yu, W. Zhu, D.W. Andrews, Y. Yoon, and T.H. Kuo. 2005. Regulation of Ca2+-induced permeability transition by BCL-2 is antagonized by Drp1 and hFis1. Molecular and Cellular Biochemistry. 272: 187-199. (Rabbit IgG TrueBlot, PubMed)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)

Related Products

18-0216-32	Fluorescent TrueBlot®: Anti-Rabbit IgG Fluorescein18-0216-32
18-4416-32	Fluorescent TrueBlot®: Anti-Rabbit IgG DyLight™ 68018-4416-32
18-8814-33	Goat TrueBlot®: Anti-Goat IgG HRP18-8814-33

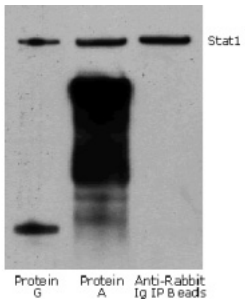
18-8815-31	Sheep TrueBlot®: Anti-Sheep IgG HRP18-8815-31

Related Links

Rabbit IgG TrueBlot IP Western Blot Protocol

Images

1	Rabbit TrueBlot® IP / Western Blot:Jurkat cell lysate (0.5 ml of 1x10e7 cells/ml) was incubated with rabbit anti-human Stat1 and immunoprecipitated using Protein G, Protein A and Anti-Rabbit Ig IP Beads. Precipitate from 5x10e5 cells was subjected to electrophoresis, transferred to a PVDF membrane, and Western blotted with anti-Stat1 using Rabbit TrueBlot®: Anti-Rabbit IgG HRP



Disclaimer