

GFP Polyclonal Antibody, Biotin

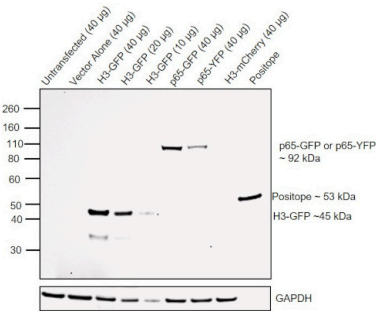
Product Details	
Size	100 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Biotin
Immunogen	The GFP was isolated directly from the jellyfish Aequorea victoria.
Form	Liquid
Concentration	2 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.5
Contains	5mM sodium azide
Storage conditions	4° C
RRID	AB_2534021

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Flow Cytometry (Flow)	-	1 Publication
GST Pull Down (GPD)	-	1 Publication

Product Images For GFP Polyclonal Antibody, Biotin

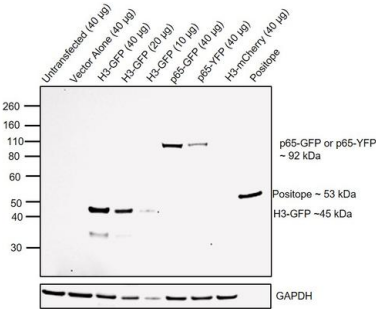
GFP Antibody (A10259)

Antibody specificity was demonstrated by detection of different targets fused to GFP tag in transiently transfected lysates tested. Relative detection of GFP tag was observed across different proteins fused with GFP in H3-GFP (Lane 3-5) and p65-GFP (Lane 6). GFP-variant, YFP is also being detected in His-p65-YFP lysate (Lane 7), using Biotin-conjugated Anti-GFP Rabbit Polyclonal Antibody (Product # A10259) in Western Blot. {RE}



GFP Antibody (A10259) in WB

Western blot was performed using Biotin-conjugated Anti-GFP Rabbit Polyclonal Antibody (Product # A10259) by loading whole cell extracts of untransfected and transiently transfected HEK-293E lysates: untransfected, 40 µg (Lane 1), empty vector control, 40 µg (Lane 2), H3-GFP, 40 µg (Lane 3), H3-GFP, 20 µg (Lane 4), H3-GFP, 10 µg (Lane 5), p65-GFP, 40 µg (Lane 6), His-p65-YFP, 40 µg (Lane 7), H3-mCherry, 40 µg (Lane 8) and 25 ng Positope (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). A ~45 kDa band of H3-GFP and a ~92 kDa band of p65-GFP were observed in transfected lysates on probing with primary antibody (1:1000 dilution) and detected by chemiluminescence with Poly-HRP Streptavidin (Product # N200, 1:5000 dilution) using the iBright FL 1500 (Product # A44241). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Positope (Product # R90050) is a 53 kDa recombinant protein consisting multiple epitope tags, which has been used as a positive control for GFP detection. This product also detects Yellow Fluorescent Protein (YFP), a variant of GFP as observed in Lane 7. No cross-reactivity was seen with mCherry (RFP family) expressing lysate.



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Immunohistochemistry (3)

<p>Molecular therapy. Methods & clinical development</p> <p>Brain transplantation of genetically corrected Sanfilippo type B neural stem cells induces partial cross-correction of the disease.</p> <p>"Published figure using GFP polyclonal antibody (Product # A10259) in Immunohistochemistry"</p> <p>Authors: Pearse Y,Clarke D,Kan SH,Le SQ,Sanghez V,Luzzi A,Pham I,Nih LR,Cooper JD,Dickson PI,Iacovino M</p>	<p>Year</p> <p>2022</p>
<p>Neuron</p> <p>The Raphe Dopamine System Controls the Expression of Incentive Memory.</p> <p>"A10259 was used in Immunohistochemistry to reveal a specialized DA subsystem important for memory expression and suggests new targets for interventions against opioid addiction."</p> <p>Authors: Lin R,Liang J,Wang R,Yan T,Zhou Y,Liu Y,Feng Q,Sun F,Li Y,Li A,Gong H,Luo M</p>	<p>Year</p> <p>2020</p> <p>Species</p> <p>Tag</p> <p>Dilution</p> <p>1:1000</p>

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Immunohistochemistry (Frozen) (1)

<p>Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research</p> <p>Stem cell-derived endochondral cartilage stimulates bone healing by tissue transformation.</p> <p>"A10259 was used in immunohistochemistry - frozen section to use a murine model of a segmental tibia defect to test the utility of bone regeneration from a cartilage graft"</p> <p>Authors: Bahney CS,Hu DP,Taylor AJ,Ferro F,Britz HM,Hallgrimsson B,Johnstone B,Miclau T,Marcucio RS</p>	<p>Year</p> <p>2014</p> <p>Species</p> <p>Tag</p> <p>Dilution</p> <p>1:100</p>
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Immunohistochemistry - Free Floating (1)

<p>The Journal of comparative neurology</p> <p>Oxytocin receptors are expressed on dopamine and glutamate neurons in the mouse ventral tegmental area that project to nucleus accumbens and other mesolimbic targets.</p> <p>"A10259 was used in immunohistochemistry - free floating to characterize oxytocin receptor-expressing neurons originating within the ventral tegmental area"</p> <p>Authors: Peris J,MacFadyen K,Smith JA,de Kloet AD,Wang L,Krause EG</p>	<p>Year</p> <p>2017</p> <p>Species</p> <p>Tag</p> <p>Dilution</p> <p>1:1000</p>
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- Flow (1)
- GPD (1)

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