

HA Tag Monoclonal Antibody (2-2.2.14), DyLight™ 680

Product Details

Size	50 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	2-2.2.14
Conjugate	DyLight™ 680
Excitation/Emission Max	676/705 nm
Immunogen	HA peptide YPYDVPDYA derivitized to ovalbumin.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS with proprietary stabilizer
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2533054

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	2 Publications
Immunocytochemistry (ICC/IF)	1:25-1:200	1 Publication

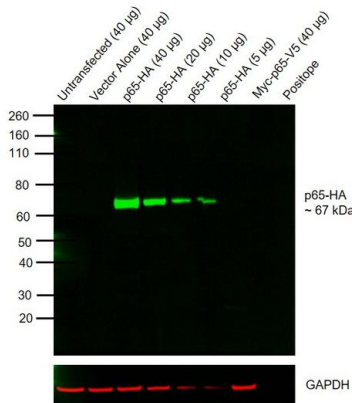
Product Specific Information

26183-D680 has been successfully used in immunofluorescence and Western blot applications. DyLight 680 has an excitation /emission of 692/712 nm.

HA Synthetic Peptide (Product # 26184) is available for use in neutralization and control experiments and to competitively elute HA-tagged fusion proteins from immobilized anti-HA affinity resin.

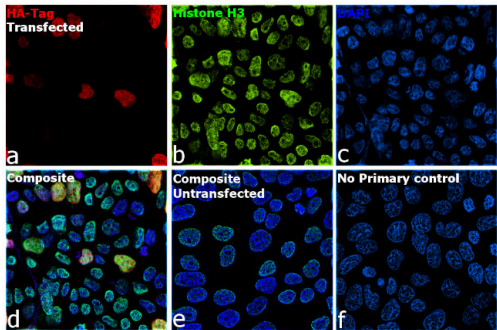
HA Tag Antibody (26183-D680) in WB

Western blot was performed using Anti-HA Tag Monoclonal Antibody (2-2.2.14), DyLight 680 (Product # 26183-D680) 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), p65-HA, 40 µg (Lane 3), p65-HA, 20 µg (Lane 4), p65-HA, 10 µg (Lane 5), p65-HA, 5 µg (Lane 6), Myc-p65-V5, 40 µg (Lane 7) and 25 ng of Positope (Lane 8) 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 ~67 kDa band corresponding to p65-HA was observed in HEK293E transfected lysates on probing with the primary antibody (1:1000 dilution) and detected by fluorescence using the iBright FL 1500 (Product # A44241). Positope (Product # R90050) is a 53 kDa recombinant protein consisting multiple epitope tags but lacks HA tag, which has been used as a negative control for HA tag detection. No cross-reactivity was seen with Myc or V5-tagged p65 expressing lysate.



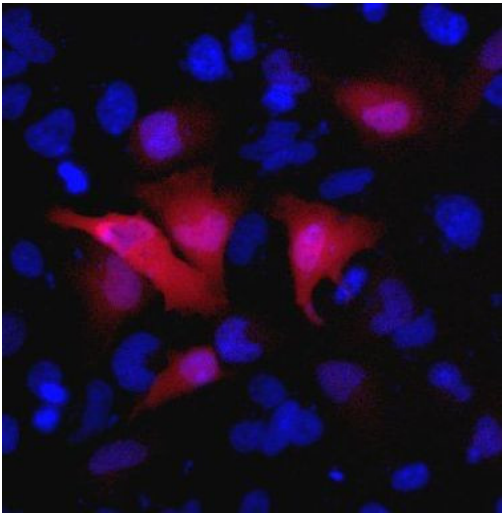
HA Tag Antibody (26183-D680) in ICC/IF

Immunofluorescent analysis of HA Tag was performed using 70% confluent HA-H3 transfected HEK-293E cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with HA Tag Monoclonal Antibody (2-2.2.14), DyLight 680 (Product # 26183-D680) at 1:200 dilution and Histone H3 Rabbit Polyclonal Antibody (Product # 711055) at 0.5 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790) respectively a dilution of 1:2,000 for 45 minutes at room temperature. Panel a (Nuclei: Red) represents HA Tag Monoclonal Antibody. Panel b (Nuclei: Green) represents Histone H3. Panel c (Nuclei: Blue) represents ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). Panel d represents the merged image showing the co-localization of nuclear signals in transfected cells. Panel e represents untransfected HEK-293E cells. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



HA Tag Antibody (26183-D680) in ICC/IF

Immunofluorescent analysis of HeLa cells transfected with a construct containing an HA Epitope Tag. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a DyLight 680-conjugated HA Epitope Tag monoclonal antibody (Product # 26183-D680) at a dilution of 1:25 for at least 1 hour at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan or ToxInsight Instrument at 20X magnification.



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Western Blot (2)

<p>Nature communications</p> <p>The C-terminal tail of polycystin-1 suppresses cystic disease in a mitochondrial enzyme-dependent fashion.</p> <p>"26183-D680 was used in Western Blotting to suggest that a short fragment of PC1 is sufficient to suppress cystic phenotype and open the door to the exploration of gene therapy strategies for ADPKD."</p> <p>Authors: Onuchic L,Padovano V,Schena G,Rajendran V,Dong K,Shi X,Pandya R,Rai V,Gresko NP,Ahmed O,Lam TT,Wang W,Shen H,Somlo S,Caplan MJ</p>	<p>Year 2023</p> <p>Species Tag</p> <p>Dilution 1:1,000</p>
<p>PloS one</p> <p>Valproic acid causes proteasomal degradation of DICER and influences miRNA expression.</p> <p>"26183-D680 was used in western blot to study the proteasomal degradation of DICER and altered miRNA levels induced by valproic acid"</p> <p>Authors: Zhang Z,Convertini P,Shen M,Xu X,Lemoine F,de la Grange P,Andres DA,Stamm S</p>	<p>Year 2014</p> <p>Species Tag</p>

Immunocytochemistry (1)

<p>Science (New York, N.Y.)</p> <p>The endoplasmic reticulum P5A-ATPase is a transmembrane helix dislocase.</p> <p>"26183-D680 was used in Immunocytochemistry-immunoflourescence to indicate that the P5A-ATPase could dislocate misinserted hydrophobic helices flanked by short basic segments from the ER."</p> <p>Authors: McKenna MJ,Sim SI,Ordureau A,Wei L,Harper JW,Shao S,Park E</p>	<p>Year 2020</p> <p>Species Tag</p> <p>Dilution 1:100</p>
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