

# 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	1 Publication
Immunocytochemistry (ICC/IF)	1:25-1:200	1 Publication

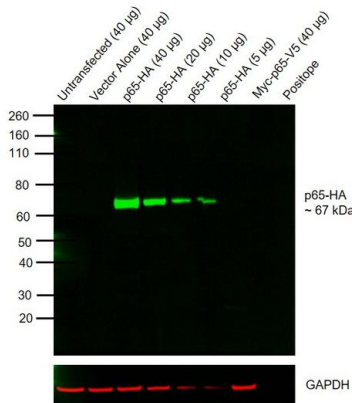
## Product Specific Information

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.

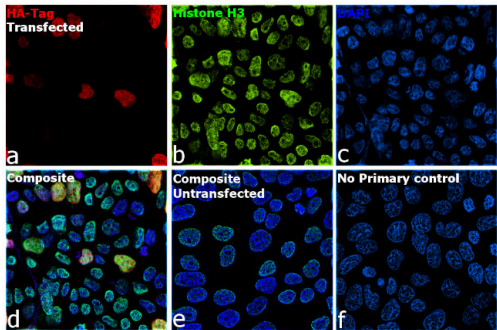
HA Tag Antibody (26183-D680) in WB

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.



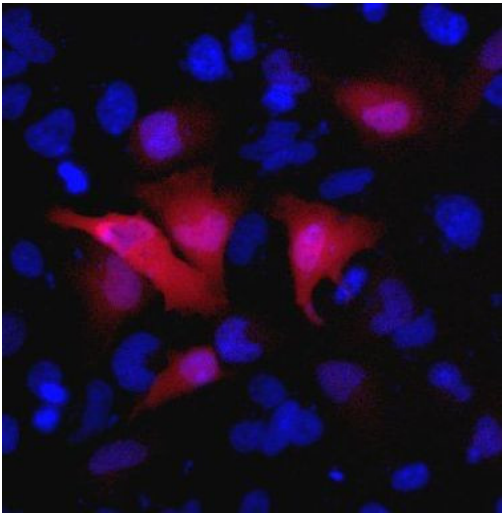
HA Tag Antibody (26183-D680) in ICC/IF

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.



View more figures on [thermofisher.cn](http://thermofisher.cn)

Western Blot (1)

<p>PloS one</p> <p><b>Valproic acid causes proteasomal degradation of DICER and influences miRNA expression.</b></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><b>Year</b> 2014</p> <p><b>Species</b> Tag</p>
---	---

Immunocytochemistry (1)

<p>Science (New York, N.Y.)</p> <p><b>The endoplasmic reticulum P5A-ATPase is a transmembrane helix dislocase.</b></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><b>Year</b> 2020</p> <p><b>Species</b> Tag</p> <p><b>Dilution</b> 1:100</p>
---	--

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.