



# Donkey anti-Rabbit IgG (H+L) Secondary Antibody, Qdot™ 655

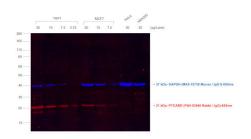
<b>Product Details</b>		
Size	100 μL	
Species Reactivity	Rabbit	
Host/Isotype	Donkey / IgG	
Class	Polyclonal	
Туре	Secondary Antibody	
Conjugate	Qdot™ 655	
Excitation/Emission Max	300/654 nm	
Immunogen	Gamma Immunoglobins Heavy and Light chains	
Form	Liquid	
Concentration	1 μΜ	
Purification	purified	
Storage buffer	0.05M borate, pH 8.3, with 1M betaine	
Contains	0.05% sodium azide	
Storage conditions	4° C, store in dark	
RRID	AB_2556496	

Applications	Tested Dilution	Publications
Western Blot (WB)	1:50-1:500	-
Immunohistochemistry (IHC)	1:50	-
Immunocytochemistry (ICC/IF)	1:50-1:500	-
Flow Cytometry (Flow)	1:50	-

## **Product Specific Information**

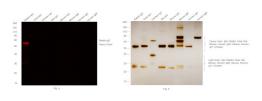
Qdot nanocrystals are composed of semi-conductor material to generate a fluorescent particle which is exceptionally bright and does not photobleach. Qdot nanocrystals paired with the correct optical filters are as much as 50 times brighter than traditional organic dyes.

# Product Images For Donkey anti-Rabbit IgG (H+L) Secondary Antibody, Qdot™ 655



### Rabbit IgG (H+L) Secondary Antibody (Q22089) in WB

Multiplexed fluorescent western blot was performed using Donkey anti-Rabbit IgG (H+L) Secondary Antibody, Qdot™ 655 (Product # Q22089). Membrane enriched extracts of THP1 (Lane 1, 2, 3, 4), MCF7 (Lane 5, 6, 7), HeLa (Lane 8) and HEK293 (Lane 9) were electrophoresed usingNuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were transferred onto anitrocellulose membrane (Product # IB23001) byiBlot® 2 Dry BlottingSystem (Product # IB21001). The blot was probed with PYCARD Polyclonal Antibody (Product # PA5-83948), and GAPDH Loading Control Monoclonal Antibody (GA1R) (Product # MA5-15738). Secondary antibodies (Product # Q22089, 1: 500 dilution), and (Product # A32789, 1:20000 dilution) were used for detection of PYCARD and GAPDH respectively. Fluorescent detection was performed usingiBrightFL1500 (Product # A44115). The anti-rabbit secondary antibody (Product # Q22089) specifically detects the rabbit primary antibody.



### Rabbit IgG (H+L) Secondary Antibody (Q22089)

Specificity of secondary antibody was demonstrated by specific detection of the target immunoglobulin. Antibody specificity was demonstrated by specific detection of Rabbit IgG. A band at ~55 kDa corresponding to Rabbit IgG Heavy Chain was observed in Rabbit IgG but not in other species using Donkey anti-Rabbit IgG (H+L) Secondary Antibody, Qdot 655 (Product # Q22089) in Western Blot. {RE}

# DAP1 Composite A-431 (Negative) Composite Composite A-431 (Negative) A-431 (Negative)

### Rabbit IgG (H+L) Secondary Antibody (Q22089) in ICC/IF

Immunofluorescence analysis of Donkey anti-Rabbit IgG (H+L) Secondary Antibody, Qdot™ 655 was performed using MCF 10A (positive model) and A-431 (negative model) cells stained with Vimentin Polyclonal antibody (Product # PA5-27231). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 2% BSA for 1 hour and labeled with 1:500 dilution of primary antibody at 4 degree celsius. Donkey anti-Rabbit IgG (H+L) Secondary Antibody, Qdot™ 655, 1:500 dilution) in 0.1% BSA in PBS for 45 minutes at room temperature, was used for detection of Vimentin in the cytoskeleton (Panel a: Red). Nuclei (Panel b: blue) were stained with Hoechst33342 (Product # H1399). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379, 1:500) (Panel c: green). Panel d represents the composite image. The specificity of the secondary antibody was proved by the absence of signal in A-431 (negative model for Vimentin) due to no primary antibody binding (Panel e). Non-specific staining was not observed with secondary antibody alone (panel f). The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) and externally deconvoluted (D.Sage et al./Methods 115 (2017) 28-41).

### View more figures on thermofisher.com

### **□1** Reference

Polygalasaponin F protects hippocampal neurons against glutamate-induced cytotoxicity. Neural Regen Res (2022)

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