

# Donkey anti-Rabbit IgG (H+L) Secondary Antibody, Qdot™ 525

## Product Details

Size	100 µL
Species Reactivity	Rabbit
Host/Isotype	Donkey / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Qdot™ 525
Excitation/Emission Max	300/525 nm
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	1 µM
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_2556481

Applications	Tested Dilution	Publications
Western Blot (WB)	1:50	-
Immunohistochemistry (IHC)	1:50	-
Immunohistochemistry (Paraffin) (IHC (P))	-	0 Publication
Immunocytochemistry (ICC/IF)	1:2,000	-
Flow Cytometry (Flow)	1:50	-

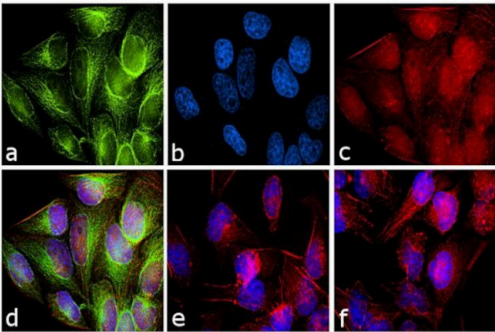
## Product Specific Information

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™ 525

Rabbit IgG (H+L) Secondary Antibody (Q22074) in ICC/IF

Immunofluorescence analysis of Donkey anti-Rabbit IgG (H+L) Secondary Antibody, Qdot 525 was performed using HeLa cells stained with alpha Tubulin Rabbit Polyclonal Primary Antibody (Product # PA5-16891). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 1% BSA for 1 hour and labeled with 2µg/mL Rabbit primary antibody for 3 hours at room temperature. Donkey anti-Rabbit IgG (H+L) Secondary Antibody, Qdot 525 (Product # Q22074) was used at 1:2000 dilution in phosphate buffered saline containing 0.2 % BSA for 45 minutes at room temperature, for detection of alpha Tubulin in the cytoplasm (Panel a: green). Nuclei (Panel b: blue) were stained with DAPI in SlowFade® Gold Antifade Mountant (Product # S36938). F-actin was stained with Alexa Fluor® 633 Phalloidin (Product # A22284, 1:300) (Panel c: red). Panel d represents the composite image. No nonspecific staining was observed with the secondary antibody alone (panel f), or with an isotype control (panel e). The images were captured at 60X magnification.



2 References

Nanoscale and functional heterogeneity of the hippocampal extracellular space. Cell Rep (2023)

Exploiting decellularized cochleae as scaffolds for inner ear tissue engineering. Stem Cell Res Ther (2017)

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