

beta Actin Loading Control Monoclonal Antibody (BA3R), DyLight™ 800 4X PEG

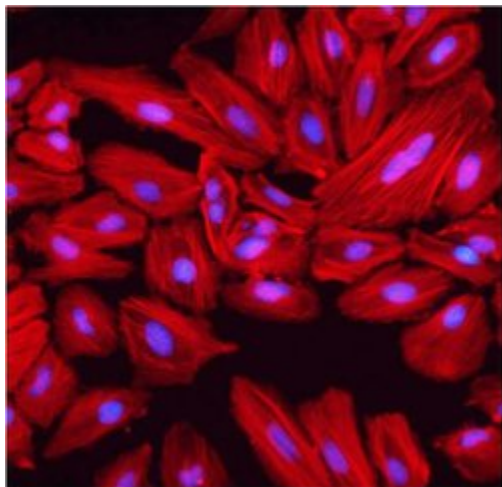
Product Details	
Size	50 µL
Species Reactivity	Chicken, Human, Mouse, Rabbit, Rat
Published Species	Human
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	BA3R
Conjugate	DyLight™ 800 4X PEG
Immunogen	Beta-actin N-terminal peptide.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	MES with proprietary stabilizer
Contains	no preservative
Storage conditions	4° C, store in dark
RRID	AB_2537666

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	7 Publications
Immunocytochemistry (ICC/IF)	1:50-1:200	-

Product Specific Information

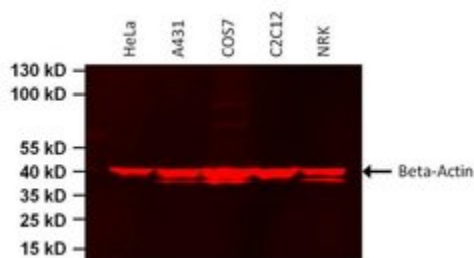
MA5-15739-D800 has been successfully used for Western blotting and immunofluorescence. DyLight 800 4X PEG has an excitation/emission of 783/797 nm. For visualization of actin filaments by immunofluorescence, fixation and permeabilization with methanol is required.

Product Images For beta Actin Loading Control Monoclonal Antibody (BA3R), DyLight™ 800 4X PEG



beta Actin Loading Control Antibody (MA5-15739-D800) in ICC/IF

Immunofluorescent analysis of beta-actin (red) in HeLa cells. Cells were fixed and permeabilized with ice-cold methanol for 10 minutes at room temperature, blocked with 0.3% BSA in PBS for 15 minutes, and probed with a DyLight 800-conjugated beta-actin monoclonal antibody (Product # MA5-15739-D800) at a dilution of 1:100 overnight at 4°C. Nuclei (blue) were stained with DAPI (Product # 62247). Images were taken on an EVOS® FL Auto Cell Imaging Station at 20X magnification.



beta Actin Loading Control Antibody (MA5-15739-D800) in WB

Western blot analysis of Beta-Actin was performed by loading 50 µg of various cell lysates per well onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a nitrocellulose membrane and blocked with SEA BLOCK (Product # 37527) for at least 1 hour. The membrane was probed with a DyLight 800-conjugated Beta-Actin monoclonal antibody (Product # MA5-15739-D800) at a dilution of 1:1000 for 1 hour at room temperature on a rocking platform and washed in TBS-0.1% Tween-20. Detection was performed using the LI-COR Odyssey.

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Western Blot (7)

Science advances

Genome-scale CRISPR-Cas9 screen of Wnt/-catenin signaling identifies therapeutic targets for colorectal cancer.

"MA5-15739-D800 was used in Western Blot to show that KMT2A loss diminishes the binding of -catenin to consensus DNA motifs and the transcription of -catenin targets in CRC."

Authors: Wan C, Mahara S, Sun C, Doan A, Chua HK, Xu D, Bian J, Li Y, Zhu D, Sooraj D, Cierpicki T, Grembecka J, Firestein R

Species
Human

Dilution
Not Cited

Year
2021

International journal of molecular medicine

Sevoflurane inhibits the proliferation and invasion of hepatocellular carcinoma cells through regulating the PTEN/Akt/GSK3/catenin signaling pathway by downregulating miR253p.

"MA5-15739-D800 was used in Western Blotting to determine the molecular mechanisms governing sevoflurane's action in hepatocellular carcinoma cells."

Authors: Cao Y, Lv W, Ding W, Li J

Species
Human

Dilution
1:1000

Year
2020

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