

ARG22620 anti-Acrolein antibody [10A10]

Package: 50 µg
Store at: -20°C

Summary

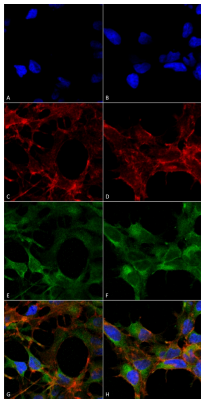
Product Description	Mouse Monoclonal antibody [10A10] recognizes Acrolein
Tested Reactivity	Other
Tested Application	FACS, ICC/IF, WB
Specificity	Specific for Acrolein modified proteins. Does not detect free acrolein. Does not cross-react with Crotonaldehyde, Hexanoyl Lysine, 4-Hydroxy-2-hexenal, 4-Hydroxy nonenal or Malondialdehyde.
Host	Mouse
Clonality	Monoclonal
Clone	10A10
Isotype	IgG1
Target Name	Acrolein
Species	Others
Immunogen	Synthetic Acrolein modified KLH.
Conjugation	Un-conjugated

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

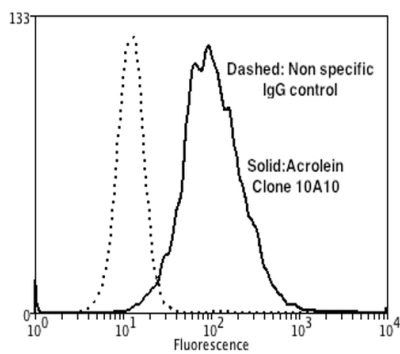
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.9% Sodium azide and 50% Glycerol.
Preservative	0.9% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.



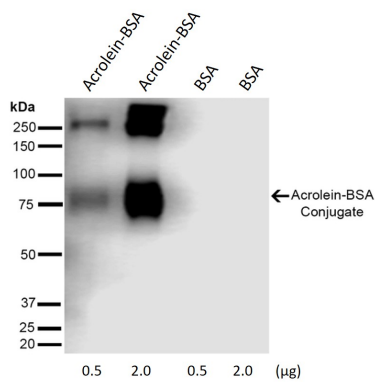
ARG22620 anti-Acrolein antibody [10A10] ICC/IF image

Immunofluorescence: 5% Formaldehyde fixed (5 min) HEK293 cells stained with ARG22620 anti-Acrolein antibody [10A10] at 1:50 for 30 - 60 min at RT. Secondary Antibody: Goat anti-Mouse (Alexa Fluor 488) at 1:1500 for 30 - 60 min at RT. Counterstain: Phalloidin Alexa Fluor 633 F-Actin stain; DAPI (blue) nuclear stain. (A,C,E,G) Untreated. (B,D,F,H) Cells cultured overnight with 50 μ M H₂O₂. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alex Fluor 633 F-Actin stain. (E,F) Primary antibody. (G,H) Composite.



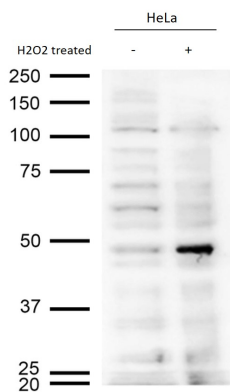
ARG22620 anti-Acrolein antibody [10A10] FACS image

Flow Cytometry: 90% Methanol fixed Neuroblastoma cells (SH-SY5Y) stained with ARG22620 anti-Acrolein antibody [10A10] at 1:50 for 30 min on ice. Secondary Antibody: Goat anti-Mouse (PE) at 1:100 for 20 min at RT. Cells were subject to oxidative stress by treating with 250 μ M H₂O₂ for 24 hours. Dashed line: Non specific IgG control. Solid line: Primary antibodies.



ARG22620 anti-Acrolein antibody [10A10] WB image

Western blot: Acrolein-BSA (0.5 μ g), Acrolein-BSA (2.0 μ g), BSA (0.5 μ g), and BSA (2.0 μ g) stained with ARG22620 anti-Acrolein antibody [10A10] at 1:1000 for 2 hours at RT.



ARG22620 anti-Acrolein antibody [10A10] WB image

Western blot: 12 μ g of HeLa cell lysate and H₂O₂ treated HeLa cell lysate stained with ARG22620 anti-Acrolein antibody [10A10] at 1:1000 for 2 hours at RT.