

ARG22618 anti-4-Hydroxy-2-hexenal / 4-HHE antibody [6F10]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [6F10] recognizes 4-Hydroxy-2-hexenal / 4-HHE
Tested Reactivity	Other
Tested Application	ICC/IF, WB
Specificity	Specific for 4-Hydroxy-2-hexenal (4-HHE) and 4-Hydroxynonenal (4-HNE) modified proteins. Does not detect free 4-Hydroxy-2-hexenal (4-HHE) or 4-Hydroxynonenal (4-HNE). Does not cross-react with Acrole.
Host	Mouse
Clonality	Monoclonal
Clone	6F10
Isotype	IgG2b
Target Name	4-Hydroxy-2-hexenal / 4-HHE
Species	Others
Immunogen	Synthetic 4-Hydroxy-2-hexenal modified KLH.
Conjugation	Un-conjugated

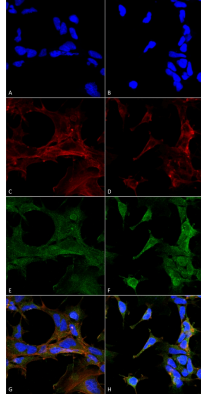
Application Instructions

Application table	Application	Dilution
	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.

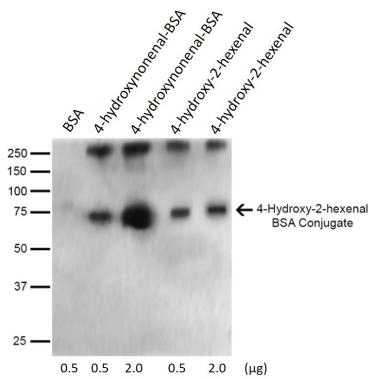
Properties

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.



ARG22618 anti-4-Hydroxy-2-hexenal / 4-HHE antibody [6F10] ICC/IF image

Immunofluorescence: 5% Formaldehyde fixed (5 min) HEK293 cells stained with ARG22618 anti-4-Hydroxy-2-hexenal / 4-HHE antibody [6F10] at 1:400 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 μM H₂O₂. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alex Fluor 633 F-Actin stain. (E,F) Primary antibody. (G,H) Composite.



ARG22618 anti-4-Hydroxy-2-hexenal / 4-HHE antibody [6F10] WB image

Western blot: BSA (0.5 μg), 4-hydroxynonenal-BSA (0.5 μg), 4-hydroxynonenal-BSA (2.0 μg), 4-hydroxy-2-hexenal (0.5 μg), and 4-hydroxy-2-hexenal (2.0 μg) stained with ARG22618 anti-4-Hydroxy-2-hexenal / 4-HHE antibody [6F10] at 1:1000 for 2 hours at RT.