

PE Rabbit anti-4-Hydroxynonenal/4-HNE mAb

Catalog NO.: A26084

Basic Information

Observed MW

Calculated MW

Category

Other Modified Antibodies

Applications

FC (intra)

Cross-Reactivity

Species independent

Conjugation

PE. Ex:565nm. Em:574nm.

Clone number

ARC70314

Background

4-hydroxy-2-nonenal (4-hydroxynonenal, 4-HNE) is a highly reactive aldehyde generated by the exposure of polyunsaturated fatty acids to peroxides and reactive oxygen species (ROS). It non-enzymatically forms stable protein adducts with histidine, lysine, and cysteine side chains that have been used as biomarkers for oxidative damage in cells. Conditions where 4-HNE immunoreactivity has been observed include inflammation, neurodegenerative diseases, and ischemic damage to the heart and brain.

Recommended Dilutions

FC (intra) 5 µl per 10⁶ cells in 100 µl volume

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Chemical compounds corresponding to 4-Hydroxynonenal.

Synonyms

4-HNE

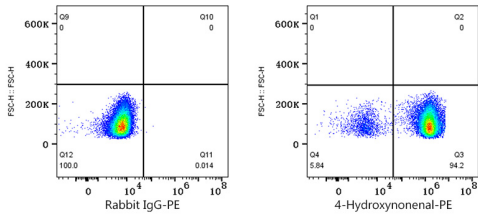
Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

Validation Data



Flow cytometry: 1X10⁶ HeLa cells (treated with 4-Hydroxynonenal) were intracellularly-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-4-Hydroxynonenal mAb (A26084,5 µl/Test,right).

