



# Anti-ACR Antibody

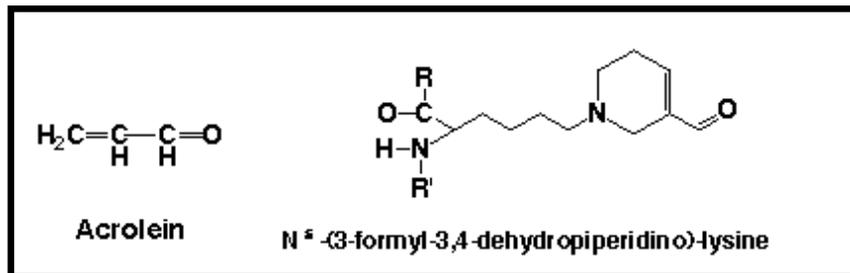
Code# NOF-N213320-EX (20 μg)

Code# NOF-N213310-EX (100 μg)

Ver.1

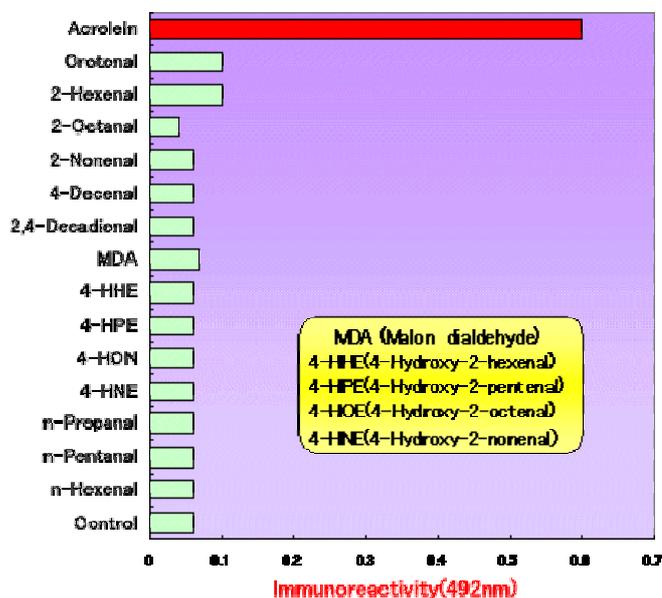
Anti-acrolein monoclonal antibody

Acrolein (ACR) is a representative carcinogenic aldehyde found ubiquitously in the environment and formed endogenously through oxidation reactions, such as lipid peroxidation and myeloperoxidase-catalyzed amino acid oxidation. ACR is highly reactive aldehyde and reacts with lysine residue in protein. The reaction with ACR and lysine residue leads to the formation of numerous numbers of adducts, such as formyl-dehydropiperidino-lysine (FDP-lysine) type derivative. This antibody is specific for the ACR-modified protein, especially FDP-lysine type derivative.

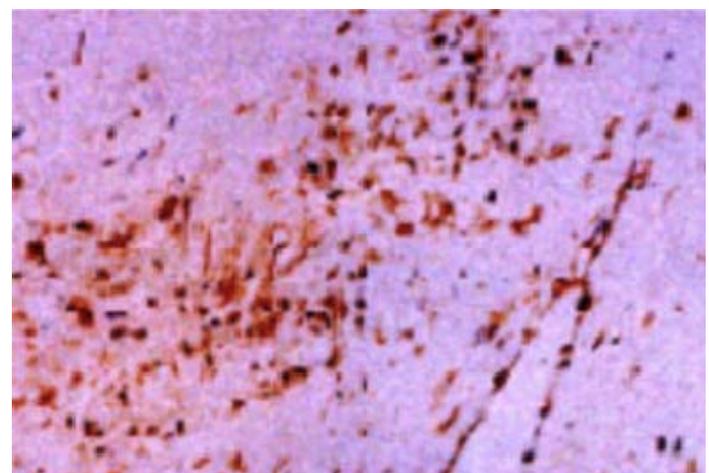


- Antigen : ACR-modified keyhole-lympet hemocyanine
- Source : Mouse
- Purify : Protein A
- Concentration : 100μg/mL
- Form : Frozen. (10mM PBS containing 0.1 %Na<sub>3</sub>N and 0.5% BSA)
- Specificity : Specific for ACR-modified protein (especially FDP-lysine type derivative)
- Class : IgG
- Application : Immunohistochemistry; It is recommended that the antibody be tried at 0.5-1.0μg/mL on paraformaldehyde fixed tissue (Optimal working dilutions must be determined by the end user).
- Storage : Maintain at -20° C undiluted aliquots for up to 6 months after date of receipt. For long term storage, aliquot product into individual tubes and freeze at -20 or -70° C. Avoid repeated freeze/defrost cycles.

## Cross-reactivity of Anti-ACR antibody



▼ Immunohistochemical detection of FDP-lysine type derivative in atherosclerotic aorta.



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An antibody for oxidative stress evaluation

## Anti-ACR Antibody

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Code# NOF-N213310-EX (100  $\mu$ g)

### References

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