

Mouse anti-ALL Crotonaldehyde Monoclonal Antibody | anti-CRA antibody

Crotonaldehyde Antibody, Clone 2A8.1: HRP

CATALOG # AAA104165	HOST Mouse	REACTIVITY ALL	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Crotonaldehyde; Monoclonal Antibody; Crotonaldehyde Antibody; Clone 2A8.1: HRP; Croton aldehyde Antibody; Crotonaldehyde (CRA) Antibody; CRA Antibody; Crotonaldehyde conjugated protein antibody; Crotonaldehyde modified protein antibody; Crotonaldehyde-conjugated protein antibody; Crotonaldehyde-modified protein antibody; CRA-lysine adduct Antibody; Crotonaldehyde-lysine adduct Antibody; anti-CRA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	ALL
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2A8.1
Specificity	Specific for Crotonaldehyde modified proteins. Does not cross-react with Acrolein, Hexanoyl Lysine, 4-Hydroxy-2-hexenal, 4-Hydroxy nonenal, Malondialdehyde, or Methylglyoxal modified proteins.
Purity/Purification	Protein G Purified
Form/Format	PBS pH 7.4, 50% glycerol, 0.09% Sodium Azide
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-CRA antibody	ELISA, WB (Western Blot)
Immunogen	Crotonaldehyde modified Keyhole Limpet Hemocyanin (KLH)
Certificate of Analysis	A 1:1000 dilution of modified proteins in 1 ug of Crotonaldehyde-BSA conjugate by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Preparation and Storage	Ships on Blue Ice. Store at -20 degree C for 1 year +. Avoid freeze/thaw cycle.

IMAGES



DB (Dot Blot)

Dot blot analysis using Mouse Anti-Crotonaldehyde Monoclonal Antibody, Clone 2A8.1.

Primary Antibody: Mouse Anti-Crotonaldehyde Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG:HRP at 1:3000 for 1 hour at RT. The quantities of protein spotted on each panel are as shown.

ADDITIONAL INFORMATION

Related Product Information for anti-CRA antibody	Lipid peroxidation occurs when oxidizing agents attack carbon-carbon double bonds found in unsaturated lipids. In addition to membrane degradation, oxidation end-products have been found to damage cell viability through their mutagenic and toxic properties. These downstream functional consequences facilitate the development of disease and premature aging. Crotonaldehyde (CRA) is a carcinogenic, conjugated aldehyde produced endogenously via lipid peroxidation. It covalently modifies biomolecules, forming adducts with DNA and nucleophilic amino acid residues of proteins such as lysine (1).
Product Categories/Family for anti-CRA antibody	Antibodies; Cancer; Oxidative Stress; Lipid peroxidation

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/crotonaldehyde-antibody-clone-2a8-1-western-blot-elisa/104165>