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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Pyrrolate Protein [3C8] Standard Size Ab03261-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgM format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 3C8

Alternative Name(s) of Target: pyrP; Lysine N-pyrrolation; pyrK

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was isolated from the repertoire of the B-1a cell populations in the apoE deficient (apoE^{-/-}) mice. Spleen cells from male apoE^{-/-} mice at 21 weeks of age were fused with P3/U1 murine myeloma cells, and after screening based on specific binding to pyrBSA

Specificity: This antibody reacts specifically with pyrrolated protein and does not cross react with DNA. Lysine N-pyrrolation is a post translational modification, a unique covalent modification that converts lysine residues to Nε-pyrrole-L-lysine (pyrK). It imparts electronegative properties to proteins, causing them to mimic DNA and the proteins acquire an electrical conductivity via lysine N-pyrrolation.

Application Notes: This antibody is recommended for determination of pyrrolated proteins in a sample. The binding reactivity of this antibody towards pyrrolated-BSA protein was determined using ELISA. This antibody does no cross react with DNA in ELISA (PMID: 35031322).

Antibody First Published in: Lim et al. Unique B-1 cells specific for both N-pyrrolated proteins and DNA evolve with apolipoprotein E deficiency. J Biol Chem. 2022 Jan 11;101582. [PMID:35031322](#)

Note on publication: This paper evaluates the role of pyrrolated proteins in innate immunity using antibodies from apoE-deficient (apoE^{-/-}) hyperlipidemic mice.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.