

Product datasheet

Anti-Nitro tyrosine antibody [8C7.3] ab24497

Overview

Product name	Anti-Nitro tyrosine antibody [8C7.3]
Description	Mouse monoclonal [8C7.3] to Nitro tyrosine
Host species	Mouse
Specificity	ab24497 recognises Nitrotyrosine containing proteins.
Tested applications	Suitable for: WB
Immunogen	Peroxynitrite treated KLH

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.05% BSA
Purification notes	Ammonium sulfate fractionation.
Clonality	Monoclonal
Clone number	8C7.3
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab24497** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml.

Target

Relevance Nitric oxide (NO) is a product of the enzymatic conversion of arginine to citrulline by nitric oxide

synthase. NO reacts rapidly with superoxide to form peroxynitrite. At physiological pH and in the presence of transition metals, peroxynitrite undergoes heterolytic cleavage to form hydroxyl anion and nitronium ion, the latter of which nitrates protein tyrosine residues. Thus, the presence of nitrotyrosine on proteins can be used as a marker for peroxynitrite formation in vivo. The presence of nitrotyrosine has been detected in various inflammatory processes including atherosclerotic plaques.

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