ARG54245
anti-Nitrotyrosine antibody [EM-30]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [EM-30] recognizes Nitrotyrosine
Tested Reactivity	All
Tested Application	IHC-Fr, IHC-P, WB
Specificity	The clone EM-30 detects nitrotyrosine group in biological material. It can be used as a marker for peroxynitrite formation in particular tissues.
Host	Mouse
Clonality	Monoclonal
Clone	EM-30
Isotype	IgG1
Target Name	Nitrotyrosine
Immunogen	NO2-Tyr-CH2-Thyroglobulin
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
IHC-Fr	10 µg/ml
IHC-P	10 µg/ml
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: WB: NO2-BSA and NO2-HSA
IHC-P and IHC-Fr: Colon cancer epithelium, prostate hyperplasia

Properties

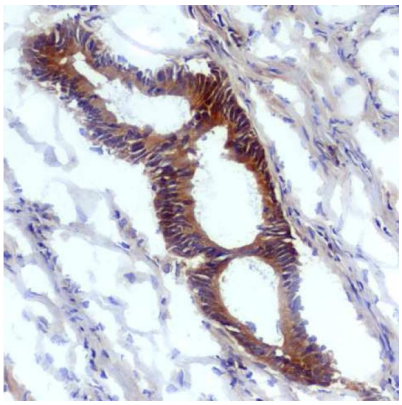
Form	Liquid
Purification	Purified from cell culture supernatant by affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Nitrotyrosine can be detected in proteins from a variety of tissues usually in association with pathological conditions. Reaction of nitric oxide with superoxide produces peroxynitrite, which can undergo heterolytic cleavage into nitronium and hydroxyl ions. Nitration of tyrosine residues by nitronium ion forms nitrotyrosine groups in the respective proteins. Nitrotyrosine is thus a marker for inflammation-associated tissue damage.
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody

Images



ARG54245 anti-Nitrotyrosine antibody [EM-30] IHC-Fr image

Immunohistochemistry: Human tumoral colon epithelium (frozen section) stained with antibody ARG54245 anti-Nitrotyrosine antibody [EM-30].