

30-1495: Anti-Nitrotyrosine Monoclonal Antibody (Clone:EM-30)

Clonality :	Monoclonal
Clone Name :	EM-30
Application :	WB
Reactivity :	Broad species reactivity
Format :	Purified
Isotype :	Mouse IgG1
Immunogen Information :	NO ₂ -Tyr-CH ₂ -Thyroglobulin

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Immunohistochemistry *Recommended dilution:* 10 µg/ml
Positive tissue: colon cancer epithelium, prostate hyperplasia

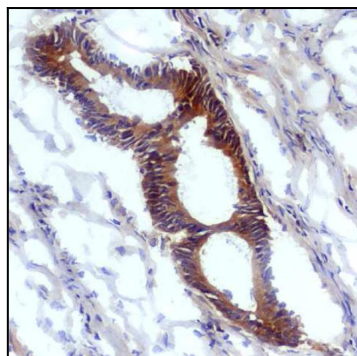


Figure 1: Immunohistochemistry staining (frozen sections) of human tumoral colon epithelium with anti-nitrotyrosine antibody (EM-30).