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Datasheet for ABIN1302502  
**anti-Nitrotyrosine antibody**

2 Images

Overview

Quantity:	0.1 mg
Target:	Nitrotyrosine
Reactivity:	Various Species
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Nitrotyrosine antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	NO <sub>2</sub> -Tyr-CH <sub>2</sub> -Thyroglobulin
Clone:	EM-30
Isotype:	IgG1
Specificity:	The antibody EM-30 detects nitrotyrosine group in biological material. It can be used as a marker for peroxynitrite formation in particular tissues.
Cross-Reactivity (Details):	Broad
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

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Target:	Nitrotyrosine
Abstract:	<a href="#">Nitrotyrosine Products</a>
Target Type:	Chemical
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.,TyrNO <sub>2</sub> , C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> O <sub>5</sub>

## Application Details

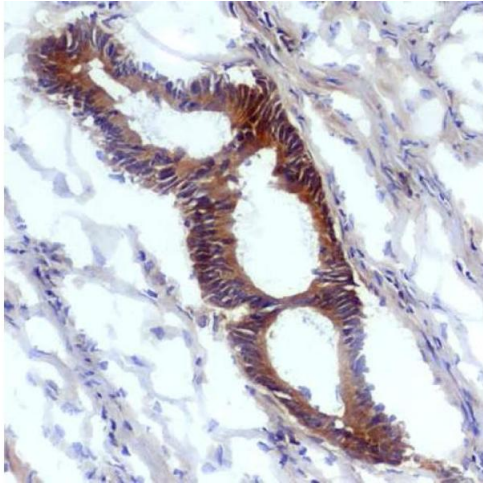
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Application Notes:	Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/mL, positive tissue: colon cancer epithelium, prostate hyperplasia. Immunohistochemistry (frozen sections): Recommended dilution: 10 µg/mL, positive tissue: colon cancer epithelium, prostate hyperplasia. Western blotting: positive control: NO <sub>2</sub> -BSA, NO <sub>2</sub> -HSA.
Restrictions:	For Research Use only

## Handling

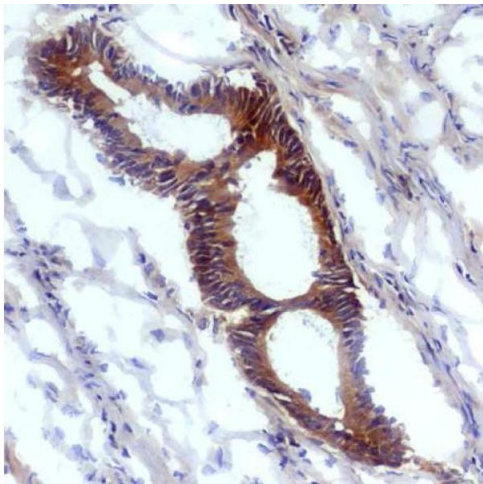
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Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



#### Immunohistochemistry (Paraffin-embedded Sections)

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



#### Immunohistochemistry

**Image 2.** Immunohistochemistry staining (frozen sections) of human tumoral colon epithelium with anti-nitrotyrosine antibody (EM-30).