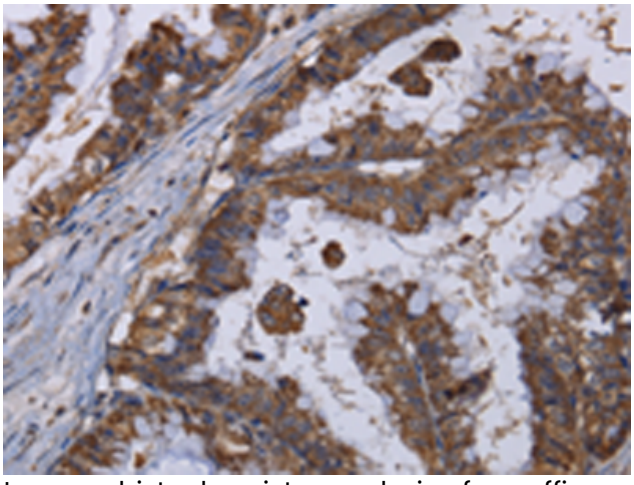
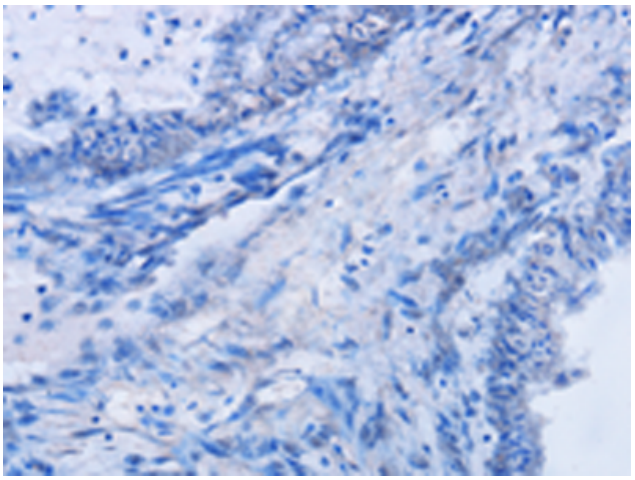
MT3 RABBIT PAB

Cat.#: S217599
Product Name: Anti-MT3 Rabbit Polyclonal Antibody
Synonyms: GIF; GIFB; GRIF; ZnMT3
UNIPROT ID: P25713 (Gene Accession - BC013081)
Background: Metallothionein (MT) is a sulfhydryl- and cysteine-rich protein found in micro-organisms, plants and all invertebrate and vertebrate animals. Metallothioneins are a group of ubiquitous low-molecular-weight proteins that have functional roles in cell growth, repair and differentiation. Metallothionein are implicated primarily in metal ion detoxification as they are essential for the protection of cells against the toxicity of cadmium, mercury and copper. Metallothioneins are known to be broadly expressed in heart, liver, kidney, breast and testis tissue. Metallothionein 3, also known as MT-3 or GIFB (growth inhibitory factor), is a 68 amino acid protein that belongs to the type 1 family and Metallothionein superfamily. While highly expressed in astrocytes of the normal human brain, Metallothionein 3 expression is reduced in the brains of patients with Alzheimer disease.
Immunogen: Fusion protein of human MT3
Applications: ELISA, IHC
Recommended Dilutions: IHC: 50-200; ELISA: 2000-5000
Host Species: Rabbit
Clonality: Rabbit Polyclonal
Isotype: Immunogen-specific rabbit IgG
Purification: Antigen affinity purification
Species Reactivity: Human, Mouse, Rat
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
Research Areas: Cancer, Cardiovascular, Metabolism, Cell Biology, Neuroscience
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 217599(MT3 Antibody) at a dilution of 1/50(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the fusion protein and then with 217599(Anti-MT3 Antibody) at dilution 1/50.