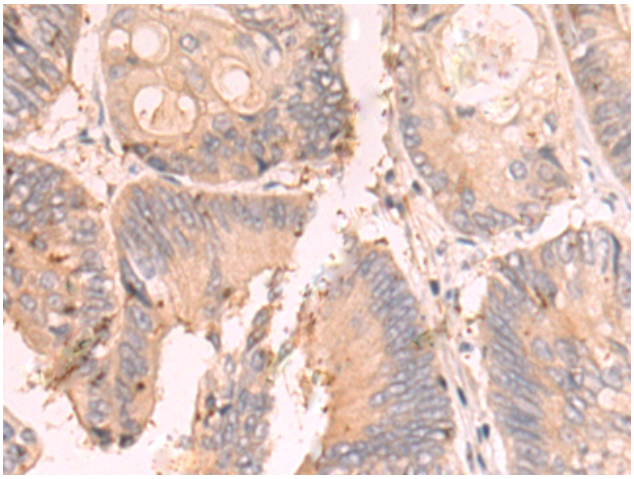
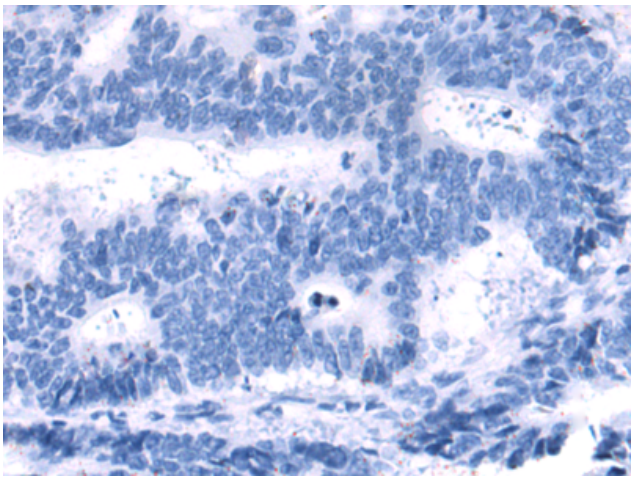
GSTA3 RABBIT PAB

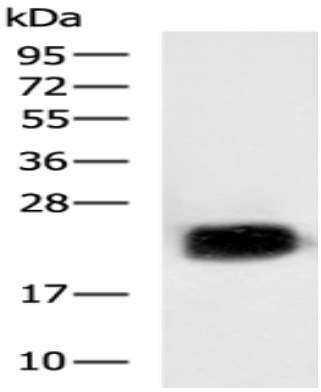
Cat.#: S217495
Product Name: Anti-GSTA3 Rabbit Polyclonal Antibody
Synonyms: GTA3; GSTA3-3
UNIPROT ID: Q16772 (Gene Accession - BC020619)
Background: Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-tranferase belonging to the alpha class genes that are located in a cluster mapped to chromosome 6. Genes of the alpha class are highly related and encode enzymes with glutathione peroxidase activity. However, during evolution, this alpha class gene diverged accumulating mutations in the active site that resulted in differences in substrate specificity and catalytic activity. The enzyme encoded by this gene catalyzes the double bond isomerization of precursors for progesterone and testosterone during the biosynthesis of steroid hormones. An additional transcript variant has been identified, but its full length sequence has not been determined.
Immunogen: Fusion protein of human GSTA3
Applications: ELISA, WB, IHC
Recommended Dilutions: IHC: 50-200;WB: 1000-5000;ELISA: 5000-10000
Host Species: Rabbit
Clonality: Rabbit Polyclonal
Isotype: Immunogen-specific rabbit IgG
Purification: Antigen affinity purification
Species Reactivity: Human
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
Research Areas: Metabolism, Signal Transduction
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human colorectal cancer tissue using 217495(GSTA3 Antibody) at a dilution of 1/80(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the fusion protein and then with 217495(Anti-GSTA3 Antibody) at dilution 1/80.



Gel: 12%SDS-PAGE, Lysate: 40 µg;
Lane: MCF7 cell lysate;
Primary antibody: 217495(GSTA3 Antibody) at dilution 1/1200;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 10 seconds