

gsta1 Polyclonal Antibody(Capture/Detector)

catalog number: AN000610P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

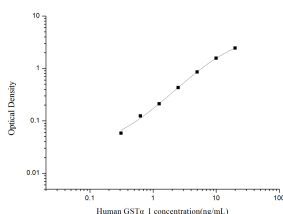
Description

Reactivity	Human
Immunogen	Recombinant Human gsta1 protein expressed by E.coli
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% Proclin300.

Applications Recommended Dilution

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Human gsta1 protein standard curve. Background subtracted standard curve using gsta1 antibody(AN000610P)(Capture), gsta1 antibody(AN000610P)(Detector) in sandwich ELISA. The reference range value for Recombinant Human gsta1 protein is 0.31-20 ng/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

GSTA1 (Glutathione S-Transferase Alpha 1) is a Protein Coding gene. This gene encodes a member of a family of enzymes that function to add glutathione to target electrophilic compounds. Glutathione S-transferases (GSTs) are involved in the detoxification of carcinogens and may be linked to carcinogenesis. As a vital component of GSTs, GSTA1 plays an important role in carcinogenesis. GSTA1 expression may be a target molecule in the early diagnosis and treatment of lung cancer. Human colonic adenocarcinoma (Caco-2) cells in culture undergo spontaneous differentiation into mature enterocytes in association with progressive increases in expression of glutathione S-transferase alpha-1 (GSTA1). GSTA1 levels may play a role in modulating enterocyte proliferation but do not influence differentiation or apoptosis. GSTA1 may play a key role during pregnancy.

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