Elabscience®

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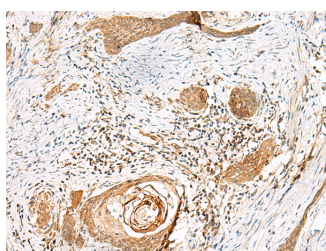## GSTM2 Polyclonal Antibody

Catalog No.	E-AB-18062	**Reactivity**	H
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	IHC,ELISA	**Isotype**	IgG

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

Images
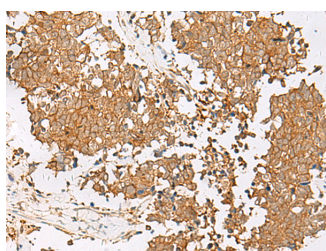
Immunohistochemistry of paraffin-embedded Human lung cancer tissue using GSTM2 Polyclonal Antibody at dilution of 1:50(×200)

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using GSTM2 Polyclonal Antibody at dilution of 1:50(×200)

Immunogen Information

Immunogen	Synthetic peptide of human GSTM2
Gene Accession	NP000839
Swissprot	P28161
Synonyms	Glutathione S transferase M1,GST muscle,GST4,GSTM,GSTM2,GTHMUS,MGC117303

Product Information

Buffer	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	IHC 1:50-1:300, ELISA 1:5000-1:10000

Background

Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. 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-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of certain drugs.