GSTM3 Polyclonal Antibody

Catalog No: #28814

Package Size: #28814-1 50ul #28814-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

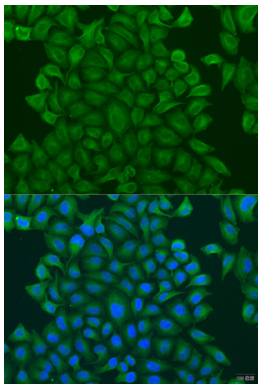
Description

Product Name	GSTM3 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	IF
Species Reactivity	Human
Immunogen Description	Recombinant fusion protein of human GSTM3 (NP_000840.2).
Other Names	GSTM3; GST5; GSTB; GSTM3-3; GTM3; glutathione S-transferase Mu 3
Accession No.	Swiss-Prot#:P21266NCBI Gene ID:2947
Uniprot	P21266
GeneID	2947;
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

Application Details

IF□1:50 - 1:200

Images



Immunofluorescence analysis of U2OS cells using GSTM3 at dilution of 1:100. Blue: DAPI for nuclear staining.

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. Mutations of this class mu

gene have been linked with a slight increase in a number of cancers, likely due to exposure with environmental toxins. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only