

Recombinant

DGRmAb®

Glutathione S Transferase mu (DGR13678) Rabbit mAb

db14229

Package : 10µL 20µL 50µL 100µL

Product Name : Glutathione S Transferase mu (DGR13678) Rabbit mAb**Cat.No.:** db14229**Synonyms** : MU; H-B; GST1; GTH4; GTM1; MU-1; GSTM1-1; GSTM1a-1a; GSTM1b-1b**Application** : WB**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**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. Null mutations of this class mu gene have been linked with an increase in a number of cancers, likely due to an increased susceptibility to environmental toxins and carcinogens. Multiple protein isoforms are encoded by transcript variants of this gene. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of human Glutathione S Transferase mu

Gene ID

2944

Swiss Prot

P09488

Synonyms

MU; H-B; GST1; GTH4; GTM1; MU-1; GSTM1-1; GSTM1a-1a; GSTM1b-1b

Reactivity

Human,Mouse,Rat

Application

WB

Recommended dilution

WB: 1:1000-1:5000

Calculated MW

26 kDa

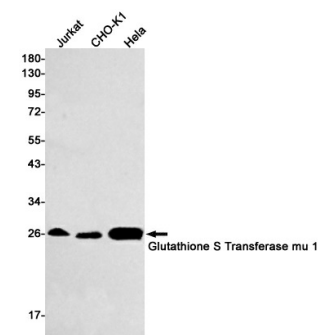
Observed MW

26 kDa

Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR13678
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Glutathione S Transferase mu 1 in Jurkat,CHO-K1,HeLa cell lysates using Glutathione S Transferase mu 1 antibody(1:500 diluted).