



Mouse anti-Human GST- π monoclonal antibody, clone 4/HTU- π (CABT-B9215)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human GST- π aa. 5-210
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat, Dog
Clone	4/HTU- π
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF; IHC
Format	Liquid
Concentration	250 μ g/ml
Size	50 μ g, 150 μ g
Buffer	Aqueous buffered solution containing BSA, glycerol, and $\leq 0.09\%$ sodium azide.
Storage	Store undiluted at -20°C .

BACKGROUND

Introduction Glutathione-S-Transferases (GSTs) are a family of dimeric proteins that catalyze the S-

conjugation of glutathione with many compounds for detoxification. The GSTs are categorized into four classes based on their biochemical and structural properties: α , μ , π , and θ . GST- π is of particular interest because it is over-expressed in many tumors, but is either absent or expressed at low levels in the corresponding normal tissues. This high expression of GST- π is associated with malignant transformation and correlates with a decrease in GST activity. Three different GST- π proteins have been isolated and designated as hGSTP1*A, hGSTP1*B, and hGSTP1*C. These isoforms are nearly identical, varying by only one to two amino acids.

Keywords	GST; Glutathione-S-transferase;
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GENE INFORMATION

Entrez Gene ID	1132874
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UniProt ID	A9CJU4
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