

Product Datasheet

GST3 (9D4) Mouse mAb

Catalog No: AB3490

Reactivity: Human

Isotype: Mouse IgG1

Applications: WB,IHC,ICC/IF,FC



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Information

UniProt ID: P09211

All Names: GSTP1; FAEES3; GST3; Glutathione S-transferase P; GST class-pi; GSTP1-1

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 23kDa

Application

WB: 1/500-1/1000

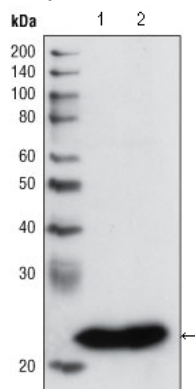
IHC: 1/50-1/100

ICC/IF: 1/50-1/200

FC: 1/50-1/100

Background

Swiss-Prot Acc.P09211.GSTP1 (glutathione-S-transferase, pi 1), also called GST3/DFN7, is a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. GSTP1 act like a tumor suppressor gene, which when inactivated leads to tumor growth, and the -class glutathione S-transferase is commonly inactivated by somatic CpGisland hypermethylation in cancers of the prostate, liver, and breast. Methylation of regulatory sequences at the GSTP1 gene locus is found in the vast majority (>90%) of prostate carcinomas and is associated with transcriptional down-regulation.



Western blot analysis of GST3 (9D4) in PC3 and human cerebellum lysates using GST3 (9D4) antibody.

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