

Anti-GST3/GST pi/GSTP1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9184-Fluoro488

About GSTP1

Glutathione S-transferases pi (GSTP1), also known as GST3, is an enzyme that in humans is encoded by the GSTP1 gene. This gene is mapped to 11q13.2. GSTP1 has 7 exons and 6 introns contained within approximately 2.8 kilobases. GSTP1 belongs to Glutathione S-transferases (GSTs) which are 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 presents in all tissues and cells, with the exception of red cells, in which only erythrocyte GST (GSTe) is observed. What's more, GSTP1 is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases.

Overview

Product Name	Anti-GST3/GST pi/GSTP1 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P09211

Technical Details

Immunogen	E.coli-derived human GST3 recombinant protein (Position: P2-Q210). Human GST3 shares 85% and 86% amino acid (aa) sequences identity with mouse and rat GST3, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

10 Publications Citing This Product

1. PubMed ID: 10.1016/j.ejphar.2015.08.046, Quetiapine mitigates the neuroinflammation and oligodendrocyte loss in the brain of C57BL/6 mouse following cuprizone exposure for one week
2. PubMed ID: 10.1039/C5RA27521K, Toxicological risks of Rhizoma paridis saponins in rats involved NF-kappaB and Nrf2 signaling
3. PubMed ID: 10.1016/j.tiv.2011.03.002, Ligustrazine derivate DLJ14 reduces multidrug resistance of K562/A02 cells by modulating GSTpi activity

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