

GSTP1 / GST Pi Antibody (clone 3F2C2)
Mouse Monoclonal Antibody
Catalog # ALS11795**Specification**

GSTP1 / GST Pi Antibody (clone 3F2C2) - Product Information

Application	IF, IHC
Primary Accession	P09211
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	23kDa KDa

GSTP1 / GST Pi Antibody (clone 3F2C2) - Additional Information**Gene ID** 2950**Other Names**

Glutathione S-transferase P, 2.5.1.18, GST class-pi, GSTP1-1, GSTP1, FAES3, GST3

Target/Specificity

Ni-NTA purified truncated recombinant GSTP1 expressed in E. Coli strain BL21 (DE3)

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

GSTP1 / GST Pi Antibody (clone 3F2C2) is for research use only and not for use in diagnostic or therapeutic procedures.

GSTP1 / GST Pi Antibody (clone 3F2C2) - Protein Information**Name** GSTP1 ([HGNC:4638](#))**Synonyms** FAES3, GST3**Function**

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) (PubMed:9084911). Participates in the formation of novel hepoxilin regioisomers (PubMed:21046276). Negatively regulates CDK5 activity via p25/p35 translocation to prevent neurodegeneration.

Cellular Location

Cytoplasm. Mitochondrion. Nucleus. Note=The 83 N-terminal amino acids function as un-cleaved transit peptide, and arginine residues within it are crucial for mitochondrial localization

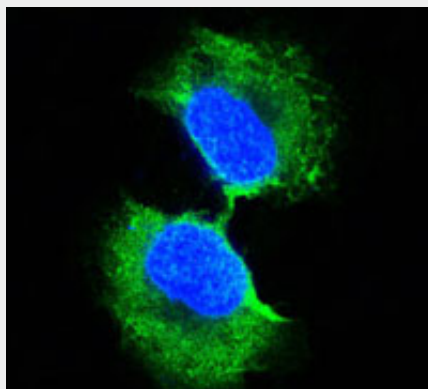
Volume
50 µl

GSTP1 / GST Pi Antibody (clone 3F2C2) - Protocols

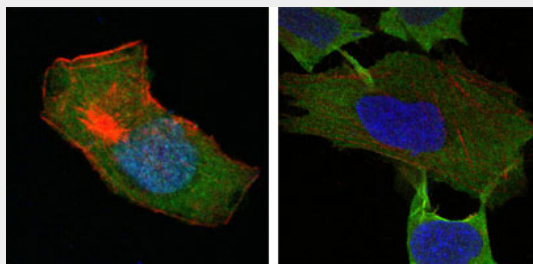
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

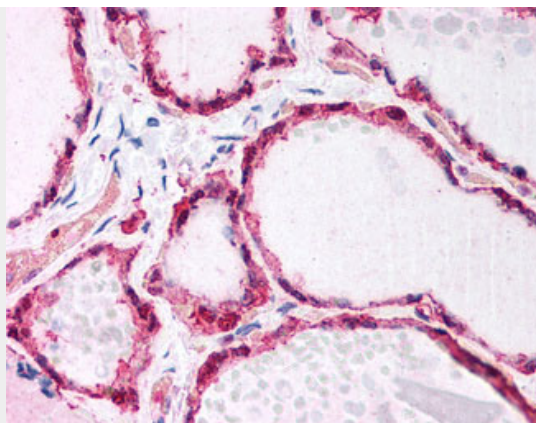
GSTP1 / GST Pi Antibody (clone 3F2C2) - Images



Confocal immunofluorescence of PC-3 cells using GSTP1 mouse monoclonal antibody (green).



Confocal immunofluorescence of HepG2 (left) and L-02 (right) cells using GSTP1 mouse monoclonal...



Anti-GSTP1 antibody IHC of human thyroid.

GSTP1 / GST Pi Antibody (clone 3F2C2) - Background

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration.

GSTP1 / GST Pi Antibody (clone 3F2C2) - References

- Kano T.,et al.Cancer Res. 47:5626-5630(1987).
Cowell I.G.,et al.Biochem. J. 255:79-83(1988).
Morrow C.S.,et al.Gene 75:3-11(1989).
Moscow J.A.,et al.Cancer Res. 49:1422-1428(1989).
Bora P.S.,et al.Submitted (JUL-1994) to the EMBL/GenBank/DDBJ databases.