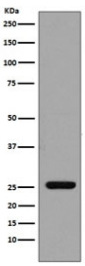
GST pi Antibody [clone DD-7] (RQ5268)

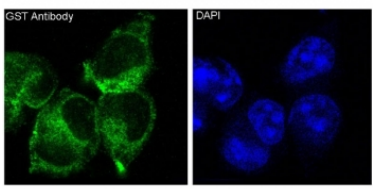
Catalog No.	Formulation	Size
RQ5268	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	DD-7
Purity	Affinity purified
UniProt	P09211
Applications	Western blot: 1:1000-1:2000 Immunofluorescence: 1:50-1:200
Limitations	This GST pi antibody is available for research use only.



Western blot testing of human recombinant protein with GST pi antibody. Predicted molecular weight ~23 kDa.



Immunofluorescent staining of human 293 cells with GST pi antibody (green) and DAPI nuclear stain (blue).

Description

Glutathione S-transferases (GSTs) 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. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member 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. [RefSeq]

Application Notes

Optimal dilution of the GST pi antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to GST pi / GSTP1 was used as the immunogen for the GST pi antibody.

Storage

Store the GST pi antibody at -20oC.

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