

## GST3 Conjugated Antibody

Catalog No: #C49852



Package Size: #C49852-AF350 100ul #C49852-AF405 100ul #C49852-AF488 100ul  
 #C49852-AF555 100ul #C49852-AF594 100ul #C49852-AF647 100ul  
 #C49852-AF680 100ul #C49852-AF750 100ul #C49852-Biotin 100ul

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## Description

Product Name	GST3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Deafness antibody Deafness X-linked 7 antibody DFN7 antibody FAEES3 antibody Fatty Acid Ethyl Ester Synthase III antibody Glutathione S Transferase 3 antibody Glutathione S Transferase Pi antibody Glutathione S-transferase P antibody Glutathione S-transferase pi 1 antibody GST class-pi antibody GST3 antibody GSTP antibody Gstp1 antibody GSTP1-1 antibody GSTP1_HUMAN antibody PI antibody X linked 7 antibody
Accession No.	Swiss-Prot#:P09211
Uniprot	P09211
GeneID	2950;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	23 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

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Glutathione S-transferases (GSTs) function in the metabolic detoxification of various environmental carcinogens and lipid hydroperoxides. In response to oxidative stress, upregulation of the GST family member GSTP1 occurs, consistent with this function. Furthermore, the GSTP1 gene is subject to CpG island hypermethylation, a state that correlates with human prostatic carcinogenesis. GSTP1 gene hypermethylation can be detected in urine, ejaculate and plasma from men with prostate cancer, potentially making GSTP1 a useful biomarker for prostate cancer screening.

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Note: This product is for in vitro research use only