



# Plant GST Rabbbit Polyclonal Antibody

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| Catalog No                  | YP-Ab-10321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactivity                  | Nicotianatabacum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applications                | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Name                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen                   | Recombinant Protein of Plant GST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity                 | The antibody detects endogenous Plant GST proteins.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Formulation                 | PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purification                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                    | WB: 1:3000-10000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage Stability           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Synonyms                    | Plant GST Rabbbit;YM3219                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Observed Band               | 24kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated Molecular Weight | 24kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Cell Pathway                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tissue Specificity          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Function                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Background                  | The soluble glutathione transferases (GSTs) are encoded by a large and diverse gene family in plants. GSTs are predominantly expressed in the cytosol, where their GSH-dependent catalytic functions include the conjugation and resulting detoxification of herbicides, the reduction of organic hydroperoxides formed during oxidative stress and the isomerization of maleylacetoacetate to fumarylacetoacetate, a key step in the catabolism of tyrosine. GSTs also have non-catalytic roles, binding flavonoid natural products in the cytosol prior to their deposition in the vacuole. |

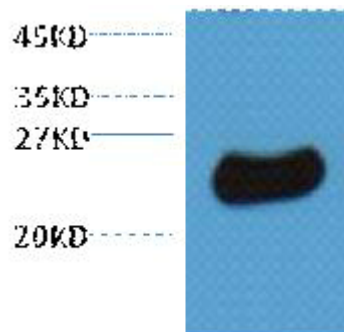
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



10ug total Nicotiana tabacum lysate + primary antibody dilute at 1:3000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000