# GSTA2 Rabbit Polyclonal Antibody

# CAB7678

## Product Information

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| **Product SKU**: | CAB7678 | **Gene ID**: | 2939 | **Size**: | 20uL, 100uL |
| **Clone No**: | - | **Host Species:** | Rabbit | **Reactivity**: | Human,Mouse,Rat |

## Additional Information

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| **Observed MW**: | 25kDa | **Conjugate:** | Unconjugated |
| **Calculated MW**: | 26kDa | **Isotype:** | IgG |

## Immunogen Information

**Background**: Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes function in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding these enzymes are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of some drugs. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-tranferase belonging to the alpha class. The alpha class genes, located in a cluster mapped to chromosome 6, are the most abundantly expressed glutathione S-transferases in liver. In addition to metabolizing bilirubin and certain anti-cancer drugs in the liver, the alpha class of these enzymes exhibit glutathione peroxidase activity thereby protecting the cells from reactive oxygen species and the products of peroxidation.

**Recommended Dilution**: WB,1:500 - 1:2000

**Synonyms**: GST2; GTA2; GTH2; GSTA2-2; GSTA2

**Purifcation Method**: Affinity purification

**Immunogen**: Recombinant fusion protein containing a sequence corresponding to amino acids 1-222 of human GSTA2 (NP_000837.3).

**Storage**: Store at -20℃. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

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