



# ELK Biotechnology

Plant GST Rabbit pAb

Catalog NO.: EA019

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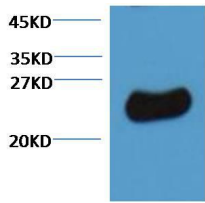
## Overview

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Product name	Plant GST Rabbit polyclonal antibody
Source	Rabbit
Applications	<b>WB</b>
Species reactivity	<b>Various Plants</b>
Recommended dilutions	<b>WesternBlot:1/3000-10000</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Recombinant Protein
Species	Nicotiana tabacum
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	<b>24kDa</b>
GeneID (Human)	N/A
Human Swiss-Prot No.	N/A
Cellular localization	N/A
Alternative Names	N/A

## 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.



10ug total *Nicotiana tabacum* lysate + primary antibody dilute at 1:3000