bs-13399R **[Primary Antibody]**

GSTK1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 373156 **SWISS:** Q9Y2Q3

Target: GSTK1

Immunogen: KLH conjugated synthetic peptide derived from human Glutathione S Transferase kappa 1: 9-80/226.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Members of the glutathione S-transferase (GST) family of proteins function in the detoxification of xenobiotics to protect cells against toxicant-induced damage. There are eight families of GST proteins, namely alpha, zeta, theta, kappa, mu, pi, sigma and omega, each of which are composed of proteins that have a variety of functions throughout the cell. GSTK1 (glutathione S-transferase kappa 1), also known as glutathione S-transferase subunit 13 (GST 13-13) or GSTK1-1, is a 226 amino acid ubiquitously expressed protein belonging to the kappa class of the GST superfamily that functions in cellular detoxification. Localizing to peroxisome, GSTK1 exists as a homodimer that catalyzes the conjugation of glutathione to a number of hydrophobic substrates leading to their removal from the cell.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 25 kDa

Subcellular Location: Cytoplasm

SELECTED CITATIONS

- **[IF=0.4]** Arzu Kaya Kocdogan. et al. INVESTIGATION OF GST AND DRUG RESISTANCE PROTEIN EXPRESSIONS IN RELATION TO CHEMOTHERAPY IN BREAST CANCER. HEALTH PROBL CIVILIZ. 2024 May;18(1): IHC ;Human. 10.5114/hpc.2024.139094

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.