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Datasheet for ABIN5708464
anti-GSTM3 antibody

7 Images

Overview

Quantity:	100 µg
Target:	GSTM3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A recombinant human partial protein corresponding to amino acids E93-Q206 was used as the immunogen for the GSTM3 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	GSTM3
Alternative Name:	GSTM3 / Glutathione S-Transferase mu 3 (GSTM3 Products)
Background:	Glutathione S-transferase M3 (brain), also known as GSTM3, is an enzyme which in humans is encoded by the GSTM3 gene. Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. 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-transferase

Target Details

that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and 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 certain drugs. Mutations of this class mu gene have been linked with a slight increase in a number of cancers, likely due to exposure with environmental toxins.

UniProt: [P21266](#)

Application Details

Application Notes: Optimal dilution of the GSTM3 antibody should be determined by the researcher.\. Western Blot: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL,Direct ELISA: 0.1-0.5 µg/mL

Restrictions: For Research Use only

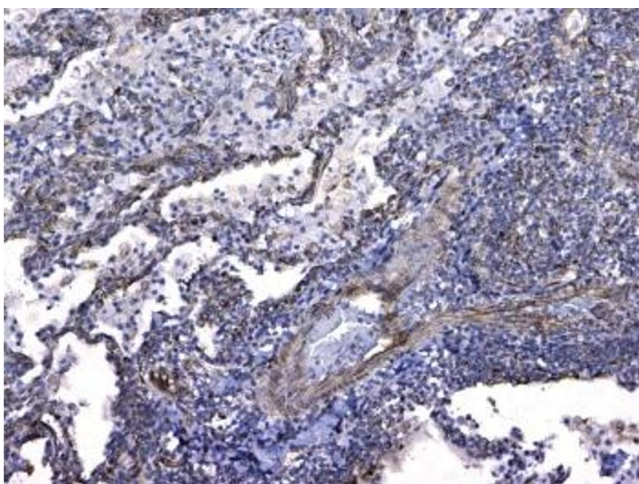
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

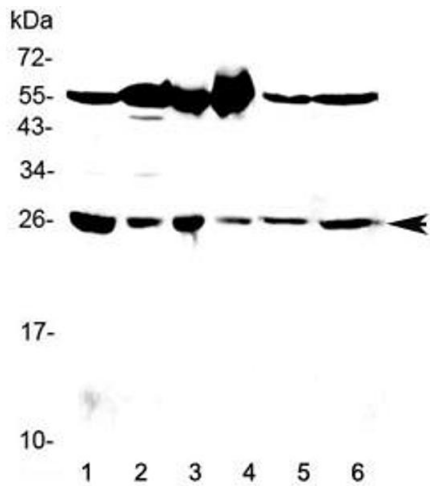
Storage Comment: After reconstitution, the GSTM3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



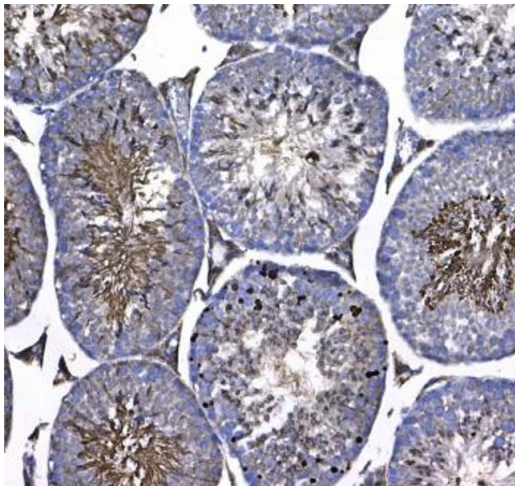
Immunohistochemistry

Image 1. IHC testing of FFPE human lung cancer tissue with GSTM3 antibody at 1µg/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western Blotting

Image 2. Western blot testing of 1) rat testis, 2) rat brain, 3) mouse testis, 4) mouse brain, 5) human HeLa and 6) human MCF7 lysate with GSTM3 antibody at 0.5ug/ml. Predicted molecular weight ~26 kDa.



Immunohistochemistry

Image 3. IHC testing of FFPE mouse testis tissue with GSTM3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN5708464.