Antibody to **Glutathione S-Transferase, pi**

**Cat. No. VP-G810**

**Product Specifications**

**Description:**
Glutathione S-Transferase, pi mouse monoclonal antibody

**Immunoglobulin class:** IgG2a

**Clone:** LW29

**Immunogen:** Fusion protein representing most of the glutathione s-transferase pi molecule.

**Epitope:** Not determined.

**Presentation:** Lyophilized tissue culture supernatant containing 15mM sodium azide. Reconstitute with 1 ml of distilled water.

**Species cross-reactivity:** Human

**Storage Conditions:**
Keep unopened vial at 2 - 8 °C for 1 year. Once opened it is recommended that reconstituted stock solution be aliquoted and quick frozen and stored at -20 °C. Do not repeatedly freeze/thaw.

**Applications:**

**Immunohistochemistry**
- Paraffin sections: Yes
- Frozen sections: No
- Working Dilution*: 1:200 - 1:400 for 1 hr at 25°C.
- Positive Control: Liver, bile ducts and Kupffer cells. Nuclear and cytoplasmic staining pattern.

**Western blotting**
- Working Dilution*: 1:500 - 1:1000
- Positive Control: Activated jurtaks, PBL

* Recommended dilutions using VECTASTAIN® Elite® ABC Kits.

**Functional Aspects:**
Glutathione S-transferases (GSTs) are enzymes involved with the detoxification of reactive compounds and appear to act in neutralizing carcinogens. The PI form is one of four isoenzymes and is expressed in numerous tissues at varying levels. Research indicates tissue expression correlates with resistance to chemotherapeutic drugs. This antibody will help detect GST-pi in normal and uncharcterized tissues.

**Selected References**