

Glutathione S-transferase Mu 3

UniProt

Function: Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. May govern uptake and detoxification of both endogenous compounds and xenobiotics at the testis and brain blood barriers.

Subcellular location: Cytoplasm.

Tissue specificity: Testis and brain.

Three antibodies: GSTMu3-1, GSTMu3-2 and GSTMu3-3 were tested. All three antibodies were approved for IHC. GSTMu3-1 was selected for full protein profiling.

GSTMu3-2 (CAB040584)

Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:200

IHC test staining: Cytoplasmic staining in selected tissues. High expression in testes, skeletal muscle and kidney. Weaker in CNS.



Cerebral cortex

Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 11

WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

WB Target weight (kDa): 27

WB Validation: Non-supportive - Weak band of predicted size but with additional bands of higher intensity also present.