

## Goat anti-GSTM4 Antibody

<b>Item Number</b>	dAP-3458
<b>Target Molecule</b>	Principle Name: GSTM4; Official Symbol: GSTM4; All Names and Symbols: GSTM4; glutathione S-transferase mu 4; GSTM4-4; GTM4; GST class-mu 4; GST-Mu2; GTS-Mu2; S-(hydroxyalkyl)glutathione lyase M4; glutathione S-alkyltransferase M4; glutathione S-aralkyltransferase M4; glutathione S-aryltransferase M4; glutathione S-transferase; Accession Number (s): NP_000841.1; NP_671489.1; Human Gene ID(s): 2948; Non-Human GeneID(s): 14865 (mouse) 499689 (rat)
<b>Immunogen</b>	DVSNQLARVCYSPD, is from internal region This antibody is expected to recognize both reported isoforms (NP_000841.1; NP_671489.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Approx 26kDa band observed in lysates of cell line HeLa and in Rat Lung lysates (calculated MW of 25.6kDa according to Human NP_000841.1 and Rat NP_001019475.1 ). Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Luo W, Gangwal K, Sankar S, Boucher KM, Thomas D, Lessnick SL. GSTM4 is a microsatellite-containing EWS/FLI target involved in Ewing's sarcoma oncogenesis and therapeutic resistance. Oncogene 2009 Nov 28 (46): 4126-32..PMID: 19718047->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**