

Datasheet: VMA00208KT

Description:	GSTP1 ANTIBODY WITH CONTROL LYSATE
Specificity:	GSTP1
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT14B6
Isotype:	IgG2b
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	20µl Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human GSTP1 (NP_000843) produced in <i>E. coli</i>
External Database Links	UniProt: P09211 Related reagents Entrez Gene: 2950 GSTP1 Related reagents
Synonyms	FAEES3, GST3

Specificity	<p>Mouse anti Human GSTP1 antibody recognizes GSTP1, also known as GST class-pi, GSTP1-1, deafness, X-linked 7, epididymis secretory protein Li 22, fatty acid ethyl ester synthase III and glutathione S-transferase P.</p> <p>The glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human GSTP1 antibody detects a band of 23 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<hr/> Western Blotting	Anti GSTP1 detects a band of approximately 23 kDa in K562 cell lysates.
<hr/> Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
<hr/> Lysate Composition	400µg K562 lysate lyophilized in RIPA buffer.
<hr/> Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
<hr/> Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
<hr/> Shelf Life	As supplied, 12 months from date of despatch.
<hr/> Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
<hr/> Health And Safety Information	<p>Material Safety Datasheet documentation #10048 #10561 available at:</p> <p>Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
<hr/> Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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