

Anti- $\beta$ -Gal Rabbit pAb

WL03124

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti- $\beta$ -Gal Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
<b>Cellular localization</b>	Secreted and Cell membrane	
<b>Pack size</b>	50/100/200/500/1000 $\mu$ l	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

**Background**

The human  $\beta$ -galactosidase gene, known as the LacZ gene, encodes a 677 amino acid protein with an optimum functional pH range of 6 to 8. Catalytically active  $\beta$ -galactosidases ( $\beta$ -Gal) is a tetramer of four identical subunits, each with an active site, which can independently catalyze the cleavage of terminal galactose. Monovalent cations have a stimulatory effect on the enzymatic reaction, which likely involves a galactosyl-enzyme complex intermediate.  $\beta$ -Gals are widespread in animals, microorganisms and plants.

**Immunogen**

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of  $\beta$ -Gal.

**Purification**

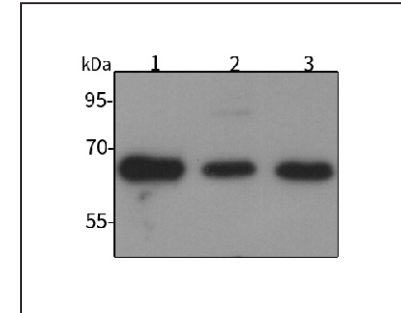
Polyclonal antibody was purified by Protein A affinity chromatography.

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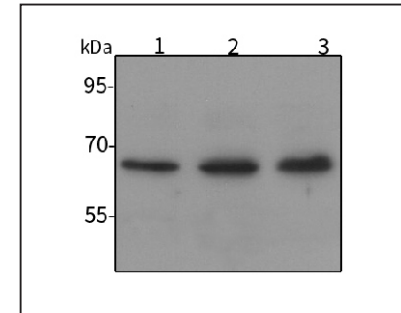
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## Product Images

Western blot-Anti- $\beta$ -Gal pAb

Lane 1: Human HepG2 cell lysate  
 Lane 2: Human Hela cell lysate  
 Lane 3: Human BGC-823 cell lysate  
 All lanes: Anti- $\beta$ -Gal at 1:1000 dilution  
 Lysates/proteins at 20-50  $\mu$ g per lane.  
 Predicted band size: 76 kDa  
 Observed band size: 67 kDa

Western blot-Anti- $\beta$ -Gal pAb

Lane 1: Mouse liver tissue lysate  
 Lane 2: Mouse heart tissue lysate  
 Lane 3: Rat kidney tissue lysate  
 All lanes: Anti- $\beta$ -Gal at 1:1000 dilution  
 Lysates/proteins at 20-50  $\mu$ g per lane.  
 Predicted band size: 76 kDa  
 Observed band size: 67 kDa