

## Anti-Glucose 6 Phosphate Dehydrogenase Antibody (9X885)

### Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 59 kDa. Actual: 58 kDa.
Clone:	9X885
Purification:	Protein A purified

### Applications

	<p>1. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation Glucose 6 Phosphate Dehydrogenase Monoclonal Antibody, Unconjugated (TMAB-06539) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L-HRP and DAB staining.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation Glucose 6 Phosphate Dehydrogenase Monoclonal Antibody, Unconjugated (TMAB-06539) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L-HRP and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation Glucose 6 Phosphate Dehydrogenase Monoclonal Antibody, Unconjugated (TMAB-06539) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L-HRP and DAB staining.</p>
Verified Activity:	<p>4. Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation Glucose 6 Phosphate Dehydrogenase Monoclonal Antibody, Unconjugated (TMAB-06539) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L-HRP and DAB staining.</p> <p>5. Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Glucose 6 Phosphate Dehydrogenase Monoclonal Antibody, Unconjugated (TMAB-06539) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L-HRP and DAB staining.</p> <p>6. 25 ug total protein per lane of various lysates (see on figure) probed with Glucose 6 Phosphate Dehydrogenase monoclonal antibody, unconjugated (TMAB-06539) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p>
Application:	WB,IHC-P,IHC-F,IF,FCM
Recommended	WB=1:500-2000,IHC-P=1:200-500,IHC-F=1:200-500,IF=1:200-500,FCM=1:50-100

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: A synthesized peptide: human G6PD

Antigen Species: Human

Gene ID: 2539

Uniprot ID: P11413

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### Research Background

Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid synthesis.

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