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anti-Glucose-6-Phosphate Dehydrogenase antibody (AA 35-506)



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4 Images

Overview	
Quantity:	0.1 mL
Target:	Glucose-6-Phosphate Dehydrogenase (G6PD)
Binding Specificity:	AA 35-506
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Glucose-6-Phosphate Dehydrogenase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

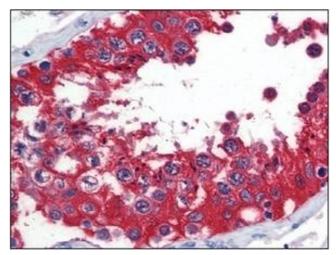
Immunogen:	Recombinant human G6PD (35-506 aa) purified from E. coli
Clone:	AT2F6
Isotype:	lgG2b
Specificity:	The antibody recognizes human G6PD. Other species not tested.
Characteristics:	Synonyms: Glucose-6-phosphate 1-dehydrogenase, Glucose-6-P-Dehydrogenase
Purification:	Protein-G affinity chromatography

Target Details

Target: Glucose-6-Phosphate Dehydrogenase (G6PD)
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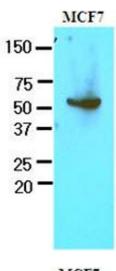
Target Details

Alternative Name:	G6PD (G6PD Products)
Background:	Glucose-6-phosphate dehydrogenase (G6PD) is the rate-limiting enzyme of the pentose
	phosphate pathway, a metabolic pathway that supplies reducing energy to cells by maintaining
	the level of NADPH. G6PD converts glucose-6-phosphate into 6-phosphoglucono-δ-lactone and
	simultaneously produce NADPH. The NADPH in turn maintains the level of glutathione in these
	cells that helps protect the red blood cells against oxidative damage. G6PD deficiency cause
	acute hemolytic anemia. Synonyms: Glucose-6-P-Dehydrogenase, Glucose-6-phosphate 1-
	dehydrogenase
Gene ID:	2539
UniProt:	P11413
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones
Application Details	
Application Notes:	ELISA. Western blot (1: 1,000 - 1: 2,000). Immunohistochemistry on Paraffin Sections (5 µ
	g/mL).
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	PBS, pH 7.4, containing 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for up to two weeks or (in aliquots) at -20 °C or -70 °C for
	longer. Avoid repeated freezing and thawing.
	Shelf life: one year from despatch.
Expiry Date:	12 months



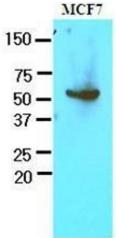
Immunohistochemistry

Image 1.



Western Blotting

Image 2.



Western Blotting

Image 3.

Please check the product details page for more images. Overall 4 images are available for ABIN400862.