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



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### 3 Images

Overview

Overview		
Quantity:	50 μL	
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), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))	

#### **Product Details**

Brand:	IHC-plus™
Immunogen:	Recombinant human G6PD (35-506aa) purified from E. coli
	Type of Immunogen: Recombinant protein
Clone:	AT2F6
Isotype:	IgG2b kappa
Specificity:	Human G6PD (35-506aa)
Purification:	Protein G purified

#### **Target Details**

Target:	Glucose-6-Phosphate Dehydrogenase (G6PD)
Alternative Name:	G6PD (G6PD Products)
Background:	Name/Gene ID: G6PD
	Synonyms: G6PD, G6PD1
Gene ID:	2539
UniProt:	P11413
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones

#### **Application Details**

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App	lication	MOLES.

Approved: ELISA, IHC, IHC-P (5 µg/mL), WB (1:1000 - 1:2000)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5  $\mu$ g/mL. Western Blot: Cell lysates of MCF7 (30  $\mu$ g) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human G6PD (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Comment:

Target Species of Antibody: Human

Restrictions:

For Research Use only

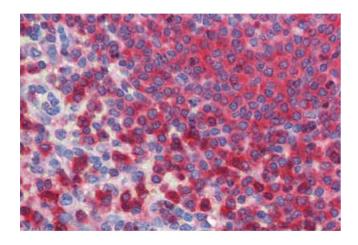
#### Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, pH 7.4, 0.1 % 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.

#### Handling

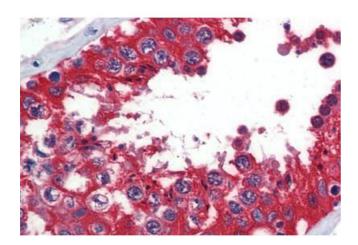
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C. Avoid freeze-thaw cycles.

#### **Images**



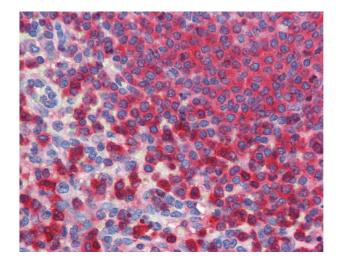
#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Human Spleen (formalin-fixed, paraffinembedded) stained with antibody ABIN462273 followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Human Testis (formalin-fixed, paraffin-embedded) stained with antibody ABIN462273 followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



#### **Immunohistochemistry**

**Image 3.** Anti-G6PD antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.