



[Go to Product page](#)

Datasheet for ABIN678010  
**anti-HBxAg antibody (Biotin)**

### Overview

Quantity:	100 µL
Target:	HBxAg
Reactivity:	Hepatitis B Virus (HBV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBxAg antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from Hepatitis B virus X protein
Isotype:	IgG
Cross-Reactivity:	Virus
Cross-Reactivity (Details):	Hepatitis B virus
Purification:	Purified by Protein A.

### Target Details

Target:	HBxAg
Alternative Name:	Hepatitis B Virus X Protein ( <a href="#">HBxAg Products</a> )
Target Type:	Viral Protein

## Target Details

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Background:	<p>Synonyms: HBX, pre-X protein, HB-X, X protein, HBV X protein, X protein [Hepatitis B virus].</p> <p>Background: Multifunctional protein that may modulate protein degradation pathways, apoptosis, transcription, signal transduction, cell cycle progress, and genetic stability by directly or indirectly interacting with hosts factors. Does not seem to be essential for HBV infection.</p> <p>May be directly involved in development of cirrhosis and liver cancer (hepatocellular carcinoma). Most of cytosolic activities involve modulation of cytosolic calcium. The effect on apoptosis is controversial depending on the cell types in which the studies have been conducted. By binding to human DDB1, may affect cell viability and stimulate genome replication. May induce apoptosis by localizing in mitochondria and causing loss of mitochondrial membrane potential. May also modulate apoptosis by binding human CFLAR, a key regulator of the death-inducing signaling complex (DISC). Moderately stimulates transcription of many different viral and cellular transcription elements. Promoters and enhancers stimulated by HBx contain DNA binding sites for NF-kappa-B, AP-1, AP-2, c-EBP, ATF/CREB, or the calcium-activated factor NF-AT. May bind bZIP transcription factors like CREB1 (By similarity).</p>
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## Application Details

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Application Notes:	WB 1:100-1000 IHC-P 1:100-500
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months