

## Hepatitis B Virus X antigen Antibody

Catalog No: #48299



Package Size: #48299-1 50ul #48299-2 100ul

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## Description

Product Name	Hepatitis B Virus X antigen Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	4G6
Purification	ProA affinity purified
Species Reactivity	Hu, Ms, Rt
Immunogen Description	peptide
Accession No.	Swiss-Prot#:Q4R1S1
Uniprot	Q4R1S1
Calculated MW	17kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

WB: 1:100-1:1,000IP: 1C2 µg per 100C500 µg of total protein (1 ml of cell lysate).

## Background

Hep B (hepatitis B) virus is a member of the Hepadnavirus family that causes an inflammation of the liver, vomiting, jaundice and, sometimes, death. Three major antigens make up different parts of the Hep B virus (HBV): surface antigen (Hep B sAg), an envelope glycoprotein found as membranous aggregates in the sera of individuals infected with HBV; e-antigen (Hep B eAg), which is typically associated with much higher rates of viral replication; and core antigen (Hep B cAg), which encloses the viral genome and makes up the assembled and unassembled variants of the capsid protein. Hep B cAg and Hep B eAg are used primarily in HBV diagnosis, whereas Hep B sAg is used for HBV prevention in vaccines. Hep B viral antigens are primarily expressed in liver. Hep B xAg represents the Hep B virus X protein which contributes to human hepatocellular carcinoma metastasis by the upregulation of matrix metalloproteinases.

## References

Note: This product is for in vitro research use only