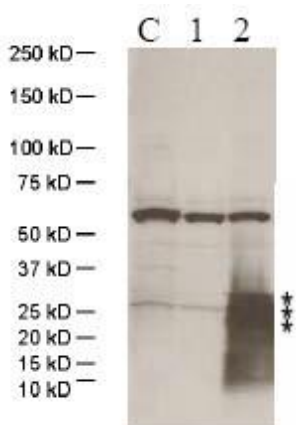


Anti-PreS2 Polyclonal Antibody

CATALOG NUMBER: HV-0011-0100, 100 µg

| | |
|----------------------|---|
| Introduction | HBV encodes three envelope proteins, or surface antigens, that make up the viral envelope: large (L), middle (M), and small (S) surface antigen. The smallest envelope protein, or S (24 kD), is 226 amino acids (aa) in length and makes up a shared C-terminal region of the two longer envelope proteins. The M protein (31 kD) contains the S sequence with a 55aa N-terminal extension known as preS2. The L protein (39 kD), the largest of the envelope proteins, contains S, preS2, and an additional 108aa or 119aa (depending on the genotype) N-terminal extension known as preS1. |
| Applications | Western blot (1:200-1:1000) and ELISA, May be used for other applications. |
| Description | Anti-PreS2 rabbit polyclonal antibody |
| Immunogen | <i>in vivo</i> expressed full-length HBsAg PreS2 protein (GenBank accession # AY040627) |
| Specificity | Reacts with PreS2 of HBsAg antigen from HBV. Not cross-react to HBsAg antigen |
| Purification | Immunoaffinity chromatography |
| Isotype | IgG |
| Storage | Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required. |
| Concentration | 2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide |



WB:

C: 293 cell extract control
1: 293 cell expressing HBsAg
2: 293 cell expressing PreS2

Note: three different forms of PreS2 detected