

For Research Use Only

XBP1S-specific Recombinant antibody, PBS Only

Catalog Number: 83959-6-PBS



Basic Information

Catalog Number: 83959-6-PBS	GenBank Accession Number: BC000938	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7494	CloneNo.: 241004C10
Source: Rabbit	UNIPROT ID: P17861	
Isotype: IgG	Full Name: X-box binding protein 1	
Immunogen Catalog Number: AG21703	Calculated MW: 261 aa, 29 kDa	

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human

Background Information

XBP1, also named as XBP2, belongs to the bZIP family. The X-box-binding protein-1 (XBP1) is a transcriptional regulator of the ER stress response that lies downstream of inositol-requiring enzyme 1 (IRE1 α) activation (PMID: 14559994). XBP1 localizes in the nucleus. As a transcription factor, it is essential for hepatocyte growth, the differentiation of plasma cells, the immunoglobulin secretion, and the unfolded protein response. XBP1 has an association with major affective disorder. The unspliced XBP1U isoform is composed of 261 amino acid residues, and the spliced XBP1S isoform is composed of 376 amino acid residues.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

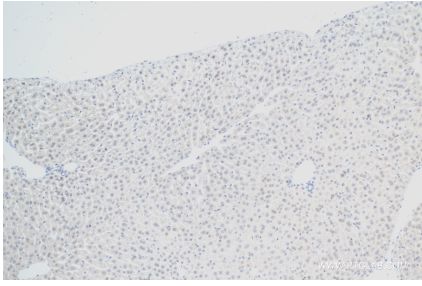
For technical support and original validation data for this product please contact:

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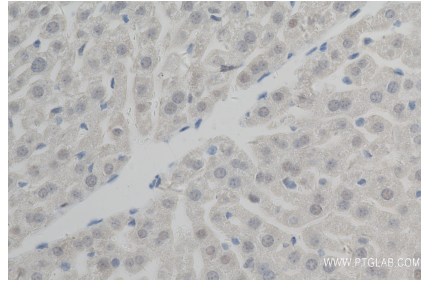
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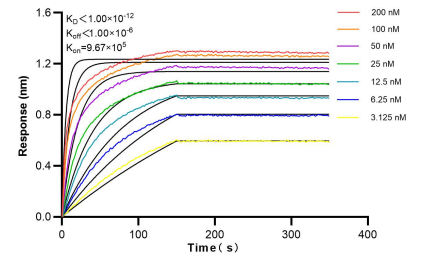
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 83959-6-RR (XBP1S-specific antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83959-6-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 83959-6-RR (XBP1S-specific antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83959-6-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83959-6-RR against Human XBP1S-specific were performed. The affinity constant is below 1 pM.