XBP1S-specific Recombinant antibody

Catalog Number:83959-6-RR

Proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
83959-6-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG21703

GenBank Accession Number:
BC000938

GeneID (NCBI):
7494

UNIPROT ID:
P17861

Full Name:
X-box binding protein 1

Calculated MW:
261 aa, 29 kDa

Purification Method:
Protein A purfication

CloneNo.:
241004C10

Recommended Dilutions:
IHC 1:200-1:800

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human

***Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0***

Positive Controls:

IHC : mouse liver tissue,

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 (IRE1α) 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 -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data
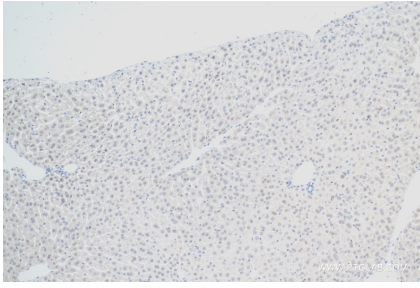
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 83959-6-RR (XBP1S-specific antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
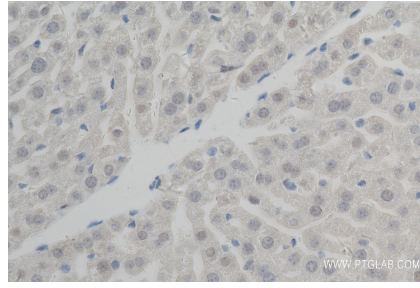
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 83959-6-RR (XBP1S-specific antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
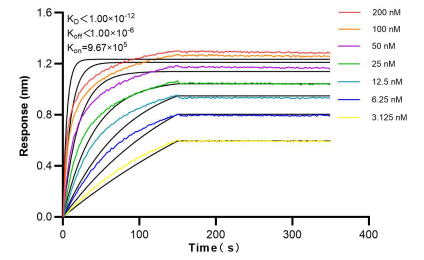
Biolayer interferometry (BLI) kinetic assays of 83959-6-RR against Human XBP1S-specific were performed. The affinity constant is below 1 pM.