

Nur für Forschungszwecke

# XBP1S-specific Polyklonaler Antikörper



Katalog-Nr.: 24868-1-AP

Vorgestelltes Produkt

48 Publikationen

## Allgemeine Informationen

Katalog-Nr.:

24868-1-AP

Größe:

150ul, Konzentration: 600 µg/ml von

Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG21703

GenBank-Zugangsnummer:

BC000938

GeneID (NCBI):

7494

Vollständiger Name:

X-box binding protein 1

Berechnete Masse:

261 aa, 29 kDa

Beobachtete Masse:

55 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:6000

IHC 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: HEK-293T-Zellen, Mauslebergewebe, MCF-7-Zellen, Rattenlebergewebe

IHC: humanes Mammakarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Leberkarzinomgewebe, Mauslebergewebe

## Hintergrundinformationen

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. The calculated molecular weight of protein generated from the unspliced XBP1 isoform XBP1U mRNA is 33 kDa, and protein generated from spliced XBP1 isoform XBP1S mRNA is 54 kDa. This antibody specially recognizes the XBP1S isoform.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Guoqing Jing	36171629	J Neuroinflammation	WB
Jing Sun	34650437	Front Pharmacol	WB
Yu Chen	34592660	Cell Calcium	WB

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

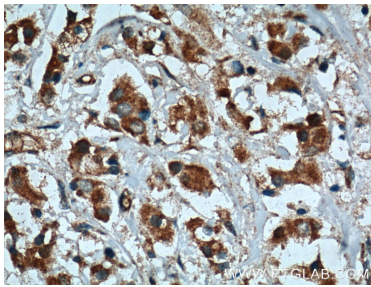
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

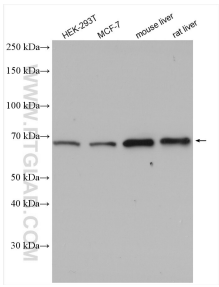
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

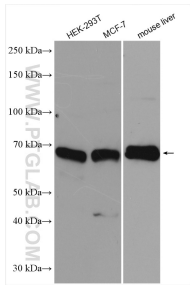
Ausgewählte Validierungsdaten



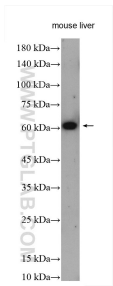
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24868-1-AP (XBP1S antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 24868-1-AP (XBP1S-specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 24868-1-AP (XBP1S-specific antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



mouse liver tissue were subjected to SDS PAGE followed by western blot with 24868-1-AP (XBP1S-specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.