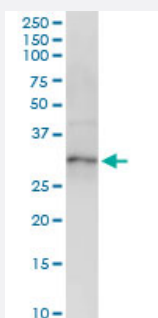


XBP1 (Human) IP-WB Antibody Pair

Catalog # H00007494-PW1

Size 1 Set

Applications



Immunoprecipitation of XBP1 transfected lysate using rabbit polyclonal anti-XBP1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-XBP1.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (81)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of XBP1 transfected lysate using rabbit polyclonal anti-XBP1 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-XBP1.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-XBP1 (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-XBP1 (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — XBP1

Entrez GeneID [7494](#)

Gene Name XBP1

Gene Alias TREB5, XBP2

Gene Description X-box binding protein 1

Omim ID [125480](#) [194355](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a transcription factor that regulates MHC class II genes by binding to a promoter element referred to as an X box. This gene product is a bZIP protein, which was also identified as a cellular transcription factor that binds to an enhancer in the promoter of the T cell leukemia virus type 1 promoter. It may increase expression of viral proteins by acting as the DNA binding partner of a viral transactivator. It has been found that upon accumulation of unfolded proteins in the endoplasmic reticulum (ER), the mRNA of this gene is processed to an active form by an unconventional splicing mechanism that is mediated by the endonuclease inositol-requiring enzyme 1 (IRE1). The resulting loss of 26 nt from the spliced mRNA causes a frame-shift and an isoform XBP1(S), which is the functionally active transcription factor. The isoform encoded by the unspliced mRNA, XBP1(U), is constitutively expressed, and thought to function as a negative feedback regulator of XBP1(S), which shuts off transcription of target genes during the recovery phase of ER stress. A pseudogene of XBP1 has been identified and localized to chromosome 5. [provided by RefSeq]

Other Designations OTTHUMP00000028682|X-box-binding protein-1

Disease

- [Amphetamine-Related Disorders](#)
- [Arousal](#)
- [Atherosclerosis](#)
- [Bipolar Disorder](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)

- [Hyperhomocysteinemia](#)
- [IgA Deficiency](#)
- [Ischemia](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Obesity](#)
- [Personality Assessment](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Stress](#)
- [Stroke](#)
- [Urinary Bladder Neoplasms](#)
- [Vitiligo](#)
- [Werner syndrome](#)