

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for TA815378

XBP1 Mouse Monoclonal Antibody [Clone ID: OTI2E2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2E2
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human
Host:	Mouse
lsotype:	lgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment of human XBP1S (NP_001073007) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40 kDa
Gene Name:	X-box binding protein 1
Database Link:	<u>NP 001073007</u>
	Entrez Gene 7494 Human
	<u>P17861</u>



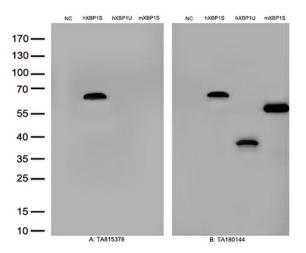
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

SEPT Mouse Monoclonal Antibody [Clone ID: OTI2E2] – TA815378

Background: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, Jul 2008]

Synonyms:TREB-5; TREB5; XBP-1; XBP2Protein Families:Transcription Factors

Product images:



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US