

XBP1 Antibody

Catalog No: #35984

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

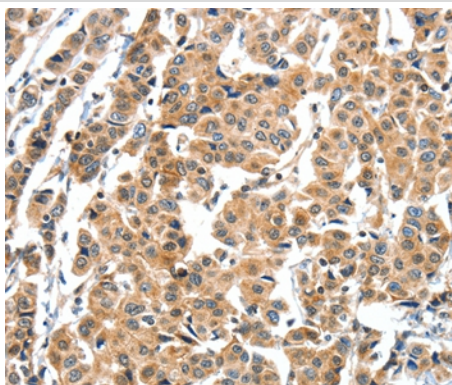
Description

Product Name	XBP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total XBP1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	XBP1
Other Names	XBP2; TREB5; XBP-1
Accession No.	Swiss-Prot#: P17861NCBI Gene ID: 7494Gene Accssion: BC000938
Uniprot	P17861
GeneID	7494;
Concentration	1.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

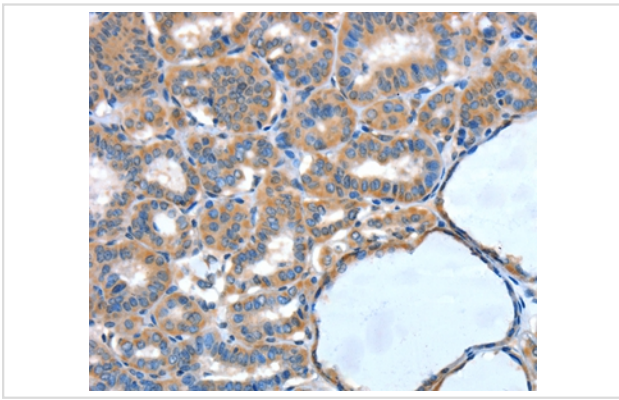
Application Details

Immunohistochemistry: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using #35984 at dilution 1/60.



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #35984 at dilution 1/60.

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.

Note: This product is for in vitro research use only