

## ATF6 Antibody

Catalog No: #43444

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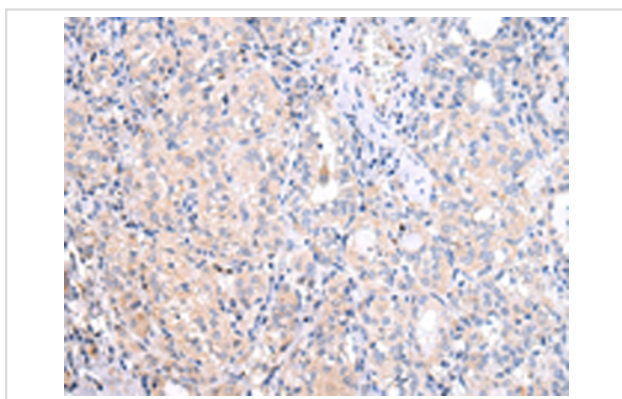
## Description

Product Name	ATF6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ATF6 protein.
Immunogen Description	Synthetic peptide of human ATF6
Target Name	ATF6
Other Names	ATF6A
Accession No.	Swiss-Prot#: P18850 Gene ID: 22926
Uniprot	P18850
GeneID	22926;
Concentration	1.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

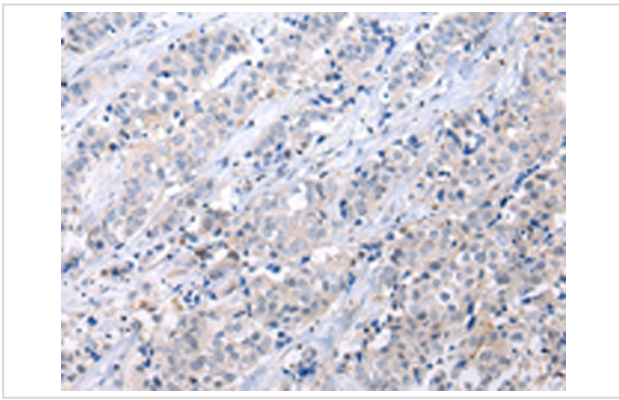
## Application Details

Immunohistochemistry: 1:20-1:100

## Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #43444 at dilution 1/25.



Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using #43444 at dilution 1/25.

## Background

This gene encodes a transcription factor that activates target genes for the unfolded protein response (UPR) during endoplasmic reticulum (ER) stress. Although it is a transcription factor, this protein is unusual in that it is synthesized as a transmembrane protein that is embedded in the ER. It functions as an ER stress sensor/transducer, and following ER stress-induced proteolysis, it functions as a nuclear transcription factor via a cis-acting ER stress response element (ERSE) that is present in the promoters of genes encoding ER chaperones. This protein has been identified as a survival factor for quiescent but not proliferative squamous carcinoma cells. There have been conflicting reports about the association of polymorphisms in this gene with diabetes in different populations, but another polymorphism has been associated with increased plasma cholesterol levels. This gene is also thought to be a potential therapeutic target for cystic fibrosis.

Note: This product is for in vitro research use only