

## GTF2H2 Antibody

Catalog No: #42960

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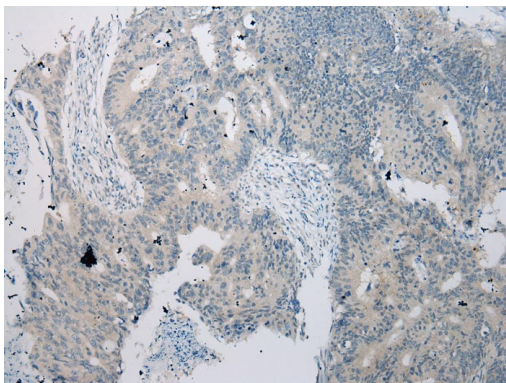
## Description

Product Name	GTF2H2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GTF2H2 protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human GTF2H2
Target Name	GTF2H2
Other Names	p44; BTF2; TFIIH; BTF2P44; T-BTF2P44
Accession No.	Swiss-Prot#: Q13888Gene ID: 2966
Uniprot	Q13888
GeneID	2966;
Concentration	0.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

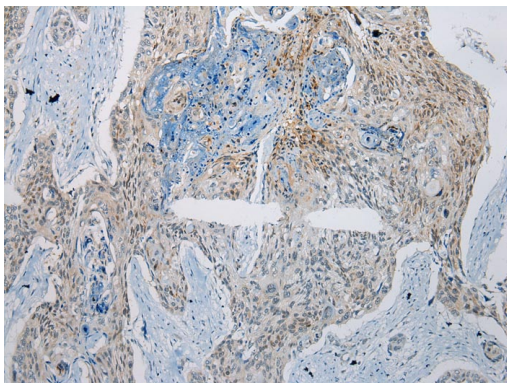
## Application Details

Immunohistochemistry: 1:100-1:200

## Images



Immunohistochemical analysis of paraffin-embedded Human Colorectal cancer tissue using #42960 at dilution 1/200.



Immunohistochemical analysis of paraffin-embedded Human Esophagus tissue using #42960 at dilution 1/200.

## Background

This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. This gene is within the telomeric copy of the duplication. Deletion of this gene sometimes accompanies deletion of the neighboring SMN1 gene in spinal muscular atrophy (SMA) patients but it is unclear if deletion of this gene contributes to the SMA phenotype. This gene encodes the 44 kDa subunit of RNA polymerase II transcription initiation factor IIH which is involved in basal transcription and nucleotide excision repair. Transcript variants for this gene have been described, but their full length nature has not been determined. A second copy of this gene within the centromeric copy of the duplication has been described in the literature. It is reported to be different by either two or four base pairs; however, no sequence data is currently available for the centromeric copy of the gene.?

Note: This product is for in vitro research use only