

## Product datasheet for **TA365295**

### GTF2H2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human prostate cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human GTF2H2
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Gene Name:	general transcription factor IIH subunit 2
Database Link:	<a href="#">Entrez Gene 2966 Human Q13888</a>



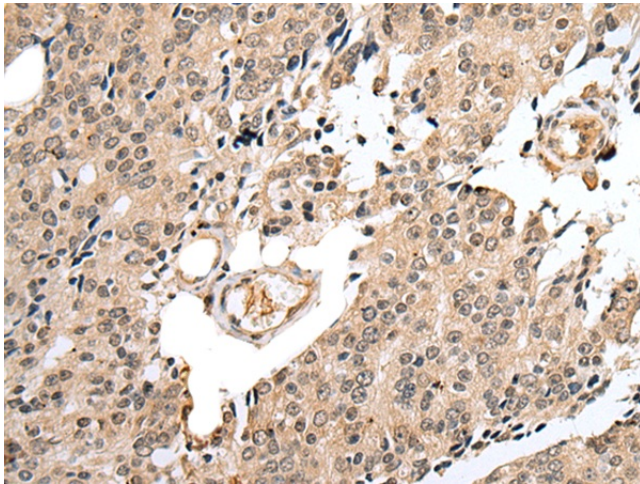
[View online »](#)

**Background:**

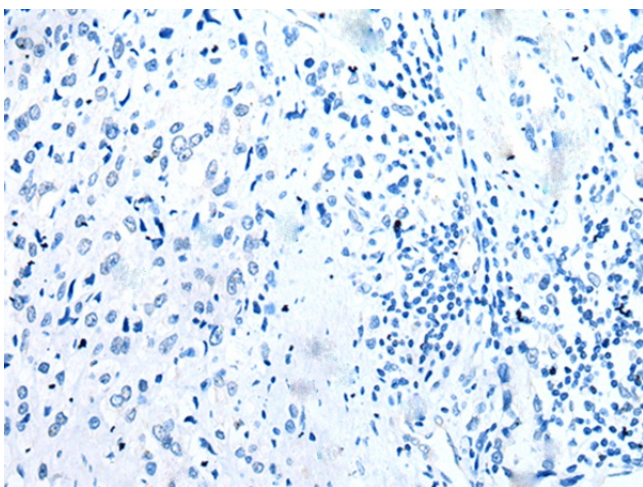
This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization 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.

**Synonyms:**

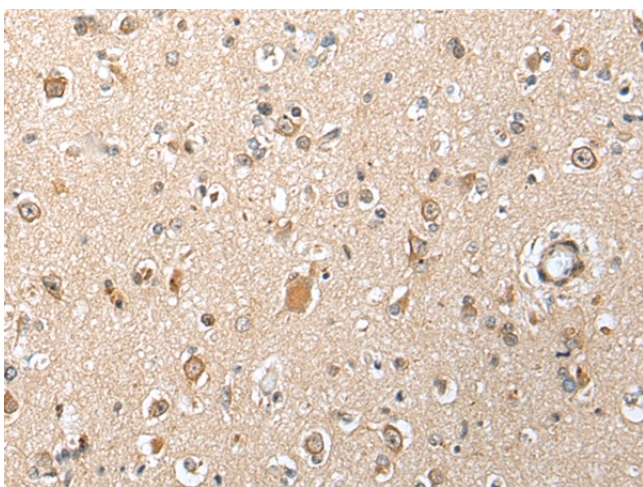
BTF2; BTF2-p44; BTF2P44; MGC102806; T-BTF2P44; TFIIH

**Product images:**

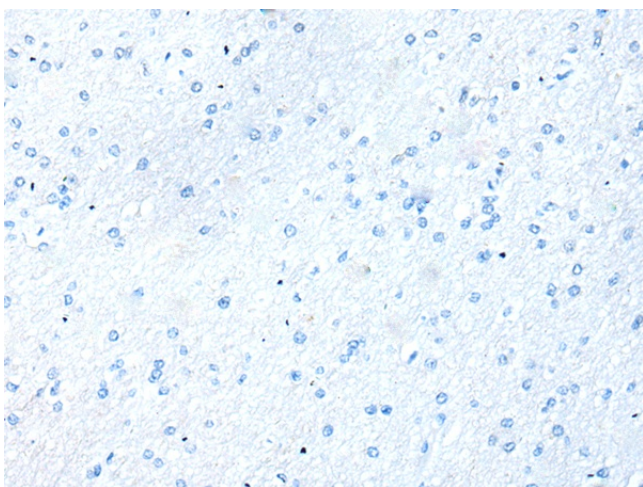
Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA365295 (GTF2H2 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA365295 (GTF2H2 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human brain tissue using TA365295 (GTF2H2 Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human brain tissue using TA365295 (GTF2H2 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )