

## GTF2H2 RABBIT PAB

**Cat.#:** S211896

**Product Name:** Anti-GTF2H2 Rabbit Polyclonal Antibody

**Synonyms:** p44; BTF2; TFIIH; BTF2P44; T-BTF2P44

**UNIPROT ID:** Q13888 (Gene Accession - BC005345 )

**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.

**Immunogen:** Fusion protein of human GTF2H2

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 25-100; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

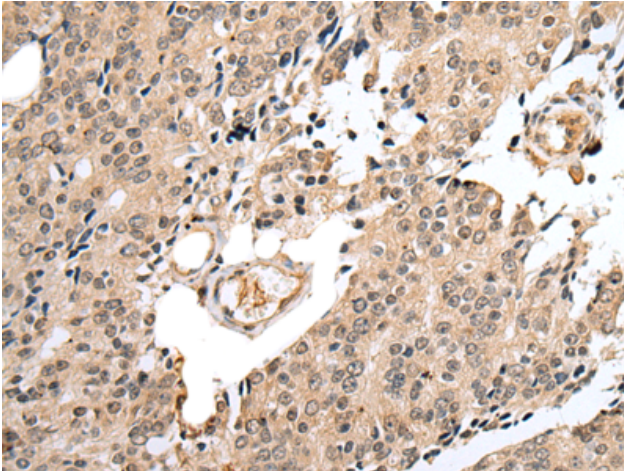
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

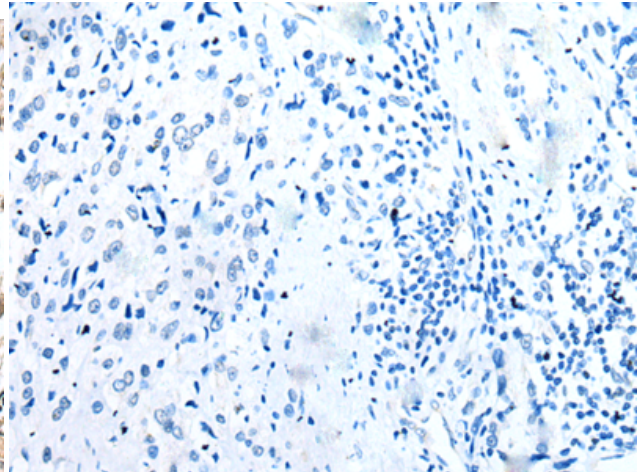
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

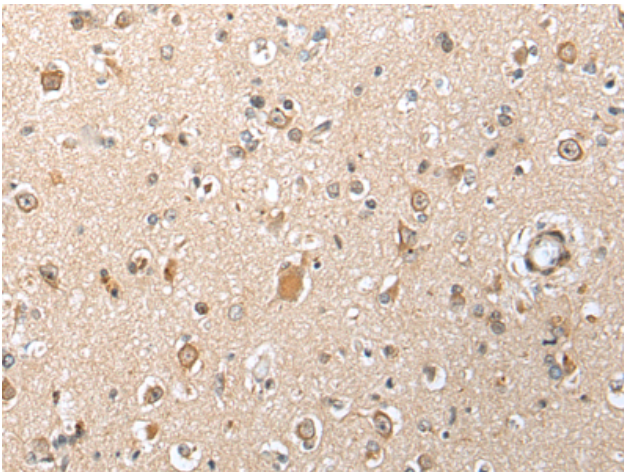
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



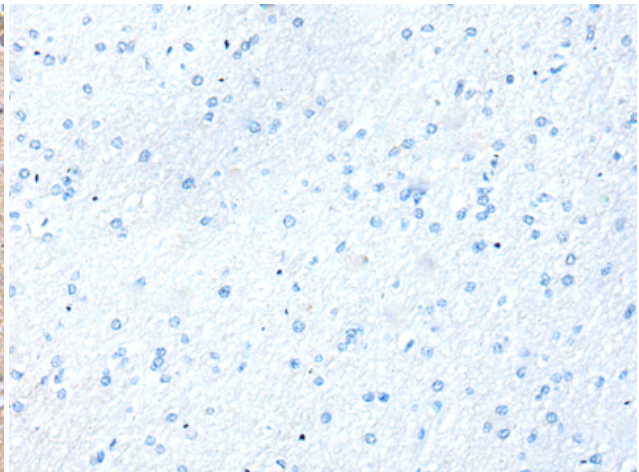
Immunohistochemistry analysis of paraffin embedded Human prostate cancer tissue using 211896(GTF2H2 Antibody) at a dilution of 1/25(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with the fusion protein and then with 211896(Anti-GTF2H2 Antibody) at dilution 1/25.



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using 211896(Anti-GTF2H2 Antibody) at a dilution of 1/25.



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with fusion protein and then with D123846(Anti-GTF2H2 Antibody) at dilution 1/25.