

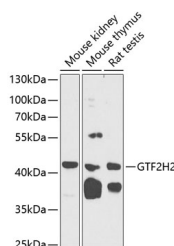
## GTF2H2 Polyclonal Antibody

**Catalog No.** E-AB-67644  
**Storage** Store at -20°C. Avoid freeze / thaw cycles.  
**Applications** WB

**Reactivity** M,R  
**Host** Rabbit  
**Isotype** IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Western blot analysis of extracts of various cell lines using GTF2H2 Polyclonal Antibody at 1:1000 dilution.

### Immunogen Information

**Immunogen** A synthetic peptide of human GTF2H2  
**GeneID** 2966  
**Swissprot** Q13888  
**Synonyms** GTF2H2,BTF2,BTF2P44,T-BTF2P44,TFIIH,p44

### Product Information

**Calculated MW** 44kDa  
**Observed MW** 44kDa  
**Buffer** PBS with 0.02% sodium azide,50% glycerol,pH7.3.  
**Purify** Affinity purification  
**Dilution** WB 1:500-1:2000

### 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.