

For Research Use Only

# GTF2H1 Polyclonal antibody

Catalog Number: 10173-1-AP



## Basic Information

**Catalog Number:**

10173-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0229

**GenBank Accession Number:**

BC004452

**GeneID (NCBI):**

2965

**UNIPROT ID:**

P32780

**Full Name:**

general transcription factor IIH,  
polypeptide 1, 62kDa

**Calculated MW:**

62 kDa

**Observed MW:**

62 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:200-1:500

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Species Specificity:**

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** A549 cells, mouse brain tissue, HepG2 cells, HL-60 cells, rat brain tissue

**IHC:** mouse testis tissue,

## Background Information

TFIIH is a multiprotein complex that has a central role in the RNA pol II mediated transcription, in DNA repair and in the control of the cell cycle. TFIIH consists of nine subunits: cyclin-dependent kinase 7 (Cdk7), cyclin H and MAT1 (forming the Cdk-activating-kinase or CAK complex), the two helicases Xpb/Hay and Xpd, and p34, p44, p52 and p62. As the kinase subunit of TFIIH, Cdk7 participates in basal transcription by phosphorylating the carboxy-terminal domain of the largest subunit of RNA polymerase II. Mutations in some components of TFIIH are associated with three hereditary human syndromes: xeroderma pigmentosum (XP), Cockayne syndrome (CS) and trichothiodystrophy (TTD). The p62 protein (TFIIH1) is a structural component of the TFIIH core and no syndromes have been identified up to date by mutations in this human gene.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

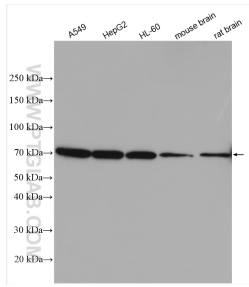
T: 4006900926

E: Proteintech-CN@ptglab.com

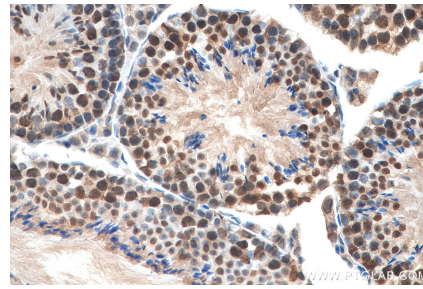
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10173-1-AP (GTF2H1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10173-1-AP (GTF2H1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).