

For Research Use Only

GTF2H1 Polyclonal antibody

Catalog Number: 10173-1-AP



Basic Information

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|--|--|---|
| Catalog Number: 10173-1-AP | GenBank Accession Number: BC004452 | Purification Method: Antigen affinity purification |
| Size: 500 µg/ml | GeneID (NCBI): 2965 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:500 |
| Source: Rabbit | UNIPROT ID: P32780 | |
| Isotype: IgG | Full Name: general transcription factor IIH, polypeptide 1, 62kDa | |
| Immunogen Catalog Number: AG0229 | Calculated MW: 62 kDa | |
| | Observed MW: 62 kDa | |

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:

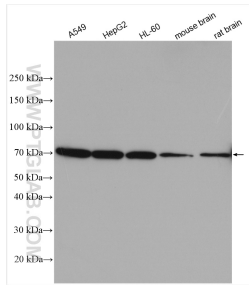
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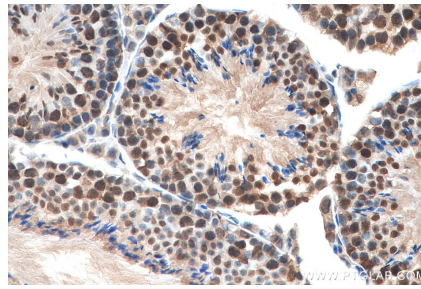
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Selected Validation Data



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).