

For Research Use Only

GTF2H1 Polyclonal antibody

Catalog Number:10173-1-AP



Basic Information

Catalog Number: 10173-1-AP	GenBank Accession Number: BC004452	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Bradford method using BSA as the standard;	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:

WB, IHC, 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

*** 20ul sizes contain 0.1% BSA

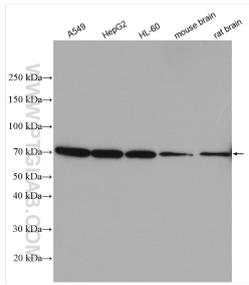
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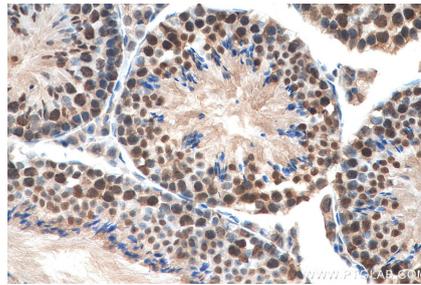
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Selected Validation Data



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).