

For Research Use Only

# GTF2H2 Polyclonal antibody

Catalog Number: 16005-1-AP

2 Publications



## Basic Information

Catalog Number:

16005-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8653

GenBank Accession Number:

BC005345

GeneID (NCBI):

2966

UNIPROT ID:

Q13888

Full Name:

general transcription factor IIH, polypeptide 2, 44kDa

Calculated MW:

395aa, 44 kDa; 165aa, 19 kDa

Observed MW:

44 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : K-562 cells, HepG2 cells

## Background Information

Transcription factor IIH(TFIIH) is associated with the RNA polymerase II transcription complex, which is involved in transcription and transcription-mediated DNA repair. GTF2H2(GENERAL TRANSCRIPTION FACTOR IIH, POLYPEPTIDE 2) is one of the six subunits forming the core-TFIIH basal transcriptional factor. TFIIH plays a role in nucleotide excision repair (NER) of DNA and, when complexed with CAK, in RNA transcription by RNA polymerase II. The N terminus of GTF2H2 interacts with and regulates XPD, and an intact C terminus is required for a successful escape of RNAPol II from the promoter. This is a rabbit polyclonal antibody produced by part of N-terminal GTF2H2 of human origin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhenkun Li	36116407	Tissue Cell	WB
Ashleigh E Schaffer	24766810	Cell	WB

## 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

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 16005-1-AP (GTF2H2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.