For Research Use Only

GTF2H2 Polyclonal antibody

Catalog Number: 16005-1-AP 2 Publications



Basic Information

Catalog Number: 16005-1-AP

GenBank Accession Number:

Purification Method: Antigen affinity purification

Size:

Isotype:

AG8653

GeneID (NCBI):

BC005345

Recommended Dilutions:

150ul, Concentration: 400 ug/ml by

WB 1:500-1:1000

Nanodrop and 287 ug/ml by Bradford $\,$ UNIPROT ID: method using BSA as the standard;

Q13888 Full Name:

Source: Rabbit

general transcription factor IIH,

polypeptide 2, 44kDa

Calculated MW:

Immunogen Catalog Number: 395aa,44 kDa: 165aa,19 kDa

Observed MW:

44 kDa

Applications

Tested Applications:

WB, ELISA

Cited Applications:

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 $transcription\ and\ transcription-mediated\ DNA\ repair.\ GTF2H2 (GENERAL\ TRANSCRIPTION\ FACTOR\ IIH,\ POLYPEPTIDE\ POLYPETIDE\ POLY$ 2) is one of the six subnuits forming the core-TFIIH basal transcriptional factor. TFIIH plays a role in nucleotide excision repair (NER) of DNA and, when complexed to 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 producted 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.

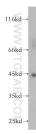
Storage Buffer:

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

Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 16005-1-AP (CTF2H2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.