

Rabbit GTF2H4 Polyclonal Antibody | anti-GTF2H4 antibody

GTF2H4 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288689	Rabbit	Human (Predicted Reactivity: Mouse)	ELISA, Western Blot

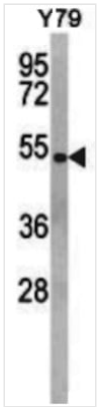
PRODUCT SYNONYMS

GTF2H4; Polyclonal Antibody; GTF2H4 Antibody (Center); General transcription factor IIH subunit 4; Basic transcription factor 2 52 kDa subunit; BTF2 p52; General transcription factor IIH polypeptide 4; TFIIH basal transcription factor complex p52 subunit; anti-GTF2H4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GTF2H4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 123-151 amino acids from the Central region of human GTF2H4.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	123-151
Sequence Length	462
Applicable Applications for anti-GTF2H4 antibody	ELISA, WB (Western Blot)
Function	Component of the general transcription and DNA repair factor IIH (TFIIH) core complex, which is involved in general and transcription-coupled nucleotide excision repair (NER) of damaged DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. In NER, TFIIH acts by opening DNA around the lesion to allow the excision of the damaged oligonucleotide and its replacement by a new DNA fragment. In transcription, TFIIH has an essential role in transcription initiation. When the pre-initiation complex (PIC) has been established, TFIIH is required for promoter opening and promoter escape. Phosphorylation of the C-terminal tail (CTD) of the largest subunit of RNA polymerase II by the kinase module CAK controls the initiation of transcription.
Cellular Location	Nucleus.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of GTF2H4 Antibody (Center) in Y79 cell line lysates (35ug/lane).
GTF2H4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GTF2H4 antibody	Component of the core-TFIIF basal transcription factor involved in nucleotide excision repair (NER) of DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II.
References	Blau,J., et.al., Mol. Cell. Biol. 16 (5), 2044-2055 (1996) Zhou,Q. et.al., Science 274 (5287), 605-610 (1996)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504201
NCBI GeneID	2968
NCBI Accession #	NP_001508.1
NCBI GenBank Nucleotide #	NM_001517.4
UniProt Accession #	Q92759; Q76KU4; B4DTJ5
Molecular Weight	52186
NCBI Official Full Name	general transcription factor IIH subunit 4
NCBI Official Synonym Full Names	general transcription factor IIH, polypeptide 4, 52kDa
NCBI Official Symbol	GTF2H4
NCBI Official Synonym Symbols	P52; TFB2; TFIIF
NCBI Protein Information	general transcription factor IIH subunit 4
UniProt Protein Name	General transcription factor IIH subunit 4
UniProt Gene Name	GTF2H4
UniProt Synonym Gene Names	BTF2 p52
UniProt Entry Name	TF2H4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.