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Gtf2h5 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13886

Product Information

Application	WB
Primary Accession	Q8K2X8
Other Accession	NM_181392, NP_852057
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Bovine
Predicted	Rat, Rabbit, Zebrafish, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8037

Additional Information

Gene ID	66467
Alias Symbol	2700017P07Rik, 2810432H05Rik, D17Wsu155e
Other Names	General transcription factor IIH subunit 5, General transcription factor IIH polypeptide 5, TFB5 ortholog, TFIIH basal transcription factor complex TTD-A subunit, Gtf2h5, D17Wsu155e
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Gtf2h5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Gtf2h5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Gtf2h5 {ECO:0000312|MGI:MGI:107227}
Synonyms	D17Wsu155e
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. Necessary for the stability of the TFIIH complex and for the presence of normal levels of TFIIH in the cell.

Cellular Location Nucleus. Cytoplasm

References

Carninci P.,et al.Science 309:1559-1563(2005).
Matsuoka S.,et al.Science 316:1160-1166(2007).

Images

WB Suggested Anti-Gtf2h5 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart