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GTF2A1L Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14377b

Product Information

Application	WB, E
Primary Accession	Q9UNN4
Other Accession	Q8R4I4, NP_006863.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34254
Calculated MW	52444
Antigen Region	399-428

Additional Information

Gene ID	11036
Other Names	TFIIA-alpha and beta-like factor, General transcription factor II A, 1-like factor, GTF2A1L, ALF, GTF2A1LF
Target/Specificity	This GTF2A1L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 399-428 amino acids from the C-terminal region of human GTF2A1L.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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.
Precautions	GTF2A1L Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GTF2A1L
Synonyms	ALF, GTF2A1LF

Function	May function as a testis specific transcription factor. Binds DNA in conjunction with GTF2A2 and TBP (the TATA-binding protein) and together with GTF2A2, allows mRNA transcription.
Cellular Location	Nucleus. Note=Mainly localizes in the annulus and partly in acrosomal cap area of spermatozoa
Tissue Location	Testis specific. Detected in adult testis mostly in round and elongating spermatids (at protein level). Detected in testis

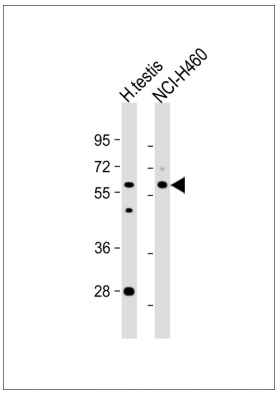
Background

The assembly and stability of the RNA polymerase II transcription pre-initiation complex on a eukaryotic core promoter involve the effects of TFIIA on the interaction between TATA-binding protein (TBP) and DNA. This gene encodes a germ cell-specific counterpart of the large (alpha/beta) subunit of general transcription factor TFIIA that is able to stabilize the binding of TBP to DNA and may be uniquely important to testis biology. Alternative splicing for this locus has been observed and two variants, encoding distinct isoforms, have been identified. Co-transcription of this gene and the neighboring upstream gene generates a rare transcript (SALF), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product.

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Kim, M., et al. J. Biol. Chem. 281(45):34288-34298(2006)
Howe, M.L., et al. Stem Cells Dev. 15(2):175-190(2006)
Huang, M., et al. Int. J. Mol. Med. 17(4):599-604(2006)
Upadhyaya, A.B., et al. J. Biol. Chem. 277(37):34208-34216(2002)

Images



All lanes : Anti-GTF2A1L Antibody (C-term) at 1:1000 dilution Lane 1: human testis lysate Lane 2: NCI-H460 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.