G-Biosciences Image not found or type unknown

Immunotag™ TFIIH p44 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT4617
Product Description	Immunotag™ TFIIH p44 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TFIIH p44
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from TFIIH p44, at AA range: 1-80
Specificity	TFIIH p44 Polyclonal Antibody detects endogenous levels of TFIIH p44 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	GTF2H2
Accession No.	Q13888 Q9JIB4 A0JN27
Alternate Names	GTF2H2; BTF2P44; General transcription factor IIH subunit 2; Basic transcription factor 2 44 kDa subunit; BTF2 p44; General transcription factor IIH polypeptide 2; TFIIH basal transcription factor complex p44 subunit

Antibody Specification

Description	general transcription factor IIH subunit 2(GTF2H2) Homo sapiens This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. This gene is within the telomeric copy of the duplication. Deletion of this gene sometimes accompanies deletion of the neighboring SMN1 gene in spinal muscular atrophy (SMA) patients but it is unclear if deletion of this gene contributes to the SMA phenotype. This gene encodes the 44 kDa subunit of RNA polymerase II transcription initiation factor IIH which is involved in basal transcription and nucleotide excision repair. Transcript variants for this gene have been described, but their full length nature has not been determined. A second copy of t
Cell Pathway/ Category	Basal transcription factors,Nucleotide excision repair,
Protein Expression	Brain,Liver,Pituitary tumor,Pre-B cell,Skin,Stomach,Testis,
Subcellular Localization	core TFIIH complex,nucleoplasm,transcription factor TFIID complex,holo TFIIH complex,
Protein Function	A number of isoforms may be produced. The isoforms may be also produced by incomplete gene duplication,function:Component of the core-TFIIH basal transcription factor involved in nucleotide excision repair (NER) of DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II.,function:Component of the core-TFIIH basal transcription factor involved in nucleotide excision repair (NER) of DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. The N-terminus interacts with and regulates XPD whereas an intact C-terminus is required for a successful escape of RNAP II form the promoter.,similarity:Belongs to the GTF2H2 family.,similarity:Contains 1 VWFA domain.,subunit:One of the six subunits forming the core-TFIIH basal transcription factor. Interacts with XPB, XPD, GTF2H1 and GTF2H3.,tissue specificity:Widely expressed, with higher expression in skeletal muscle.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.