

Rabbit anti-Mouse, Rat GTF2H2 Polyclonal Antibody | anti-GTF2H2 antibody

GTF2H2 Polyclonal Antibody

CATALOG # AAA177627	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

GTF2H2; Polyclonal Antibody; GTF2H2 Polyclonal Antibody; BTF2; BTF2P44; T-BTF2P44; TFIIF; p44; anti-GTF2H2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-GTF2H2 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide of human GTF2H2 (NP_0015061)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse heart using GTF2H2 Polyclonal Antibody at dilution of 1:100 (40x lens).


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat lung using GTF2H2 Polyclonal Antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-GTF2H2 antibody

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 IIF 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 this gene within the centromeric copy of the duplication has been described in the literature. It is reported to be different by either two or four base pairs; however, no sequence data is currently available for the centromeric copy of the gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6681762
NCBI GeneID	2966
NCBI Accession #	NP_001506.1
NCBI GenBank Nucleotide #	NM_001515.3
UniProt Accession #	Q13888; Q15570; Q15571; Q9BS41
Molecular Weight	44,419 Da
NCBI Official Full Name	general transcription factor IIH subunit 2
NCBI Official Synonym Full Names	general transcription factor IIH, polypeptide 2, 44kDa
NCBI Official Symbol	GTF2H2
NCBI Official Synonym Symbols	p44; BTF2; TFIIH; BTF2P44; T-BTF2P44
NCBI Protein Information	general transcription factor IIH subunit 2; BTF2 p44; basic transcription factor 2 44 kDa subunit; general transcription factor IIH polypeptide 2; TFIIH basal transcription factor complex p44 subunit; general transcription factor IIH, polypeptide 2, 44kD
UniProt Protein Name	General transcription factor IIH subunit 2
UniProt Gene Name	GTF2H2
UniProt Synonym Gene Names	BTF2P44; BTF2 p44
UniProt Entry Name	TF2H2_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.