

产品名称: TFIIH p44 Rabbit Polyclonal Antibody
产品货号: APRab18832



产品概述 (Summary)

产品名称 (Production Name)	TFIIH p44 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GTF2H2
别名 (Alternative 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
基因 ID (Gene ID)	2966.0
蛋白 ID (SwissProt ID)	Q13888.The antiserum was produced against synthesized peptide derived from human TF2H2. AA range:1-50

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	62kDa

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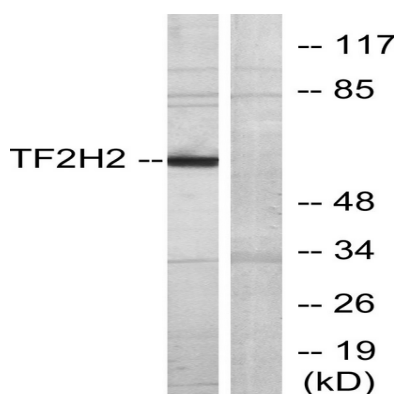
研究背景 (Background)

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 alternative products: 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 from 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.,

研究领域 (Research Area)

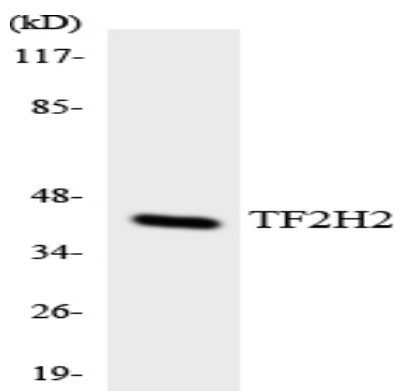
Basal transcription factors; Nucleotide excision repair;

图片 (Image Data)

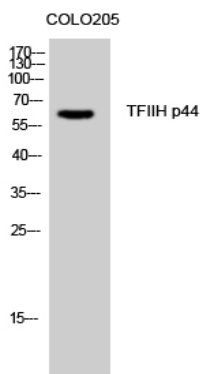


Western blot analysis of lysates from COLO205 cells, using TF2H2 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from COLO205 cells using TF2H2 antibody.



Western Blot analysis of COLO205 cells using TFIIH p44 Polyclonal Antibody cells nucleus extracted by Minute TM
Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .

注意事项 (Note)

For research use only .