

Datasheet for ABIN6262124

anti-GTF2H4 antibody (Internal Region)[Go to Product page](#)**2** Images

Overview

| | |
|----------------------|----------------------------------------------------------|
| Quantity: | 100 µL |
| Target: | GTF2H4 |
| Binding Specificity: | Internal Region |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GTF2H4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Immunogen: | A synthesized peptide derived from human GTF2H4, corresponding to a region within the internal amino acids. |
| Isotype: | IgG |
| Specificity: | GTF2H4 Antibody detects endogenous levels of total GTF2H4. |
| Predicted Reactivity: | Bovine, Sheep, Dog, Xenopus |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

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| Target: | GTF2H4 |
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Target Details

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| Alternative Name: | GTF2H4 (GTF2H4 Products) |
| Background: | <p>Description: 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.</p> <p>Gene: GTF2H4</p> |
| Molecular Weight: | 52 kDa |
| Gene ID: | 2968 |
| UniProt: | Q92759 |
| Pathways: | DNA Damage Repair |

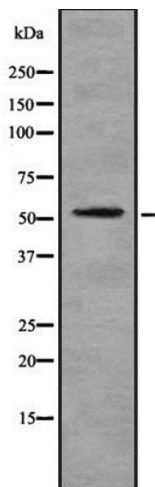
Application Details

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|--------------------|-----------------------------------------------------------|
| Application Notes: | WB 1:1000-3000, IHC 1:200, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

Handling

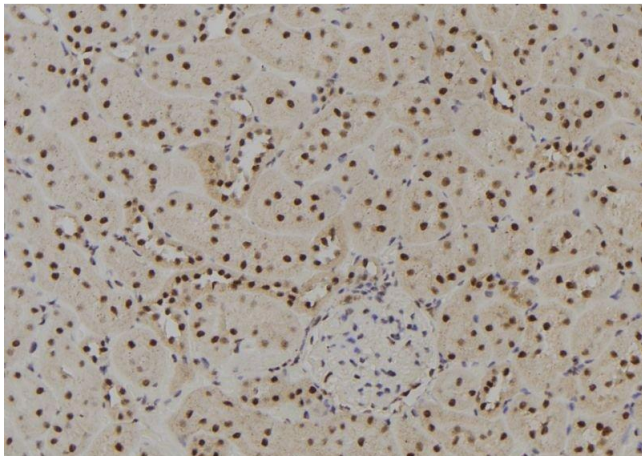
| | |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |

Expiry Date: 12 months



Western Blotting

Image 1. Western blot analysis GTF2H4 using 293 whole cell lysates



Immunohistochemistry

Image 2. ABIN6278771 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary