

## GTF2A1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GTF2A1.

Catalog # AT2285a

### Product Information

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|--------------------------|---------------------------|
| <b>Application</b>       | WB, E                     |
| <b>Primary Accession</b> | <a href="#">P52655</a>    |
| <b>Other Accession</b>   | <a href="#">NM_015859</a> |
| <b>Reactivity</b>        | Human                     |
| <b>Host</b>              | mouse                     |
| <b>Clonality</b>         | monoclonal                |
| <b>Isotype</b>           | IgG1 Kappa                |
| <b>Clone Names</b>       | 2H5                       |
| <b>Calculated MW</b>     | 41514                     |

### Additional Information

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|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>            | 2957                                                                                                                                                                                                                                                                                                                    |
| <b>Other Names</b>        | Transcription initiation factor IIA subunit 1, General transcription factor IIA subunit 1, TFIIAL, Transcription initiation factor TFIIA 42 kDa subunit, TFIIA-42, Transcription initiation factor IIA alpha chain, TFIIA p35 subunit, Transcription initiation factor IIA beta chain, TFIIA p19 subunit, GTF2A1, TF2A1 |
| <b>Target/Specificity</b> | GTF2A1 (NP_056943, 1 a.a. ~ 63 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                        |
| <b>Dilution</b>           | WB~~1:500~1000 E~~N/A                                                                                                                                                                                                                                                                                                   |
| <b>Format</b>             | Clear, colorless solution in phosphate buffered saline, pH 7.2 .                                                                                                                                                                                                                                                        |
| <b>Storage</b>            | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                |
| <b>Precautions</b>        | GTF2A1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                                                                                                                                    |

### Background

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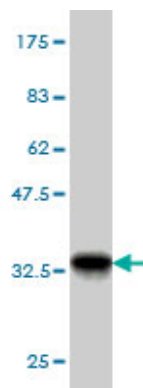
Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and several general initiation factors (summarized by DeJong and Roeder, 1993 [PubMed 8224848]). One of these factors is TFIIA, which when purified from HeLa extracts consists of 35-, 19-, and 12-kD subunits.

### References

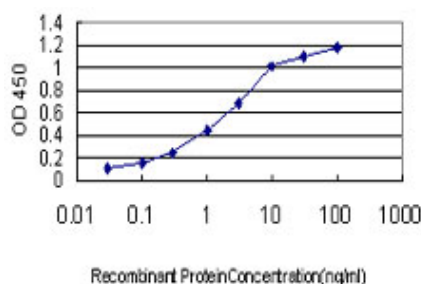
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Identification of candidate epigenetic biomarkers for ovarian cancer detection. Huang YW, et al. *Oncol Rep*, 2009 Oct. PMID 19724865. Evaluating new candidate SNPs as low penetrance risk factors in sporadic breast cancer: a two-stage Spanish case-control study. Vega A, et al. *Gynecol Oncol*, 2009 Jan. PMID 18950845. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. *Mol Cell Proteomics*, 2008 Mar. PMID 18029348. TFIIA changes the conformation of the DNA in TBP/TATA complexes and increases their kinetic stability. Hieb AR, et al. *J Mol Biol*, 2007 Sep 21. PMID 17681538. Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. *Mol Cell*, 2007 Jul 20. PMID 17643375.

## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.67 KDa) .



Detection limit for recombinant GST tagged GTF2A1 is approximately 0.03ng/ml as a capture antibody.

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