

## Anti-GTF2A2 Antibody Picoband® Biotin Conjugated

Catalog Number: A13029-1-Biotin

### About GTF2A2

Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and the general initiation factors TFIIA, TFIIB (MIM 189963), TFIID (MIM 313650), TFII E (MIM 189962), TFIIF (MIM 189968), TFIIG/TFIIJ, and TFIIH (MIM 189972). The first step involves recognition of the TATA element by the TATA-binding subunit (TBP; MIM 600075) and may be regulated by TFIIA, a factor that interacts with both TBP and a TBP-associated factor (TAF; MIM 600475) in TFIID. TFIIA has 2 subunits (43 and 12 kD) in yeast and 3 subunits in higher eukaryotes. In HeLa extracts, it consists of a 35-kD alpha subunit and a 19-kD beta subunit encoded by the N- and C-terminal regions of GTF2A1 (MIM 600520), respectively, and a 12-kD gamma subunit encoded by GTF2A2 (DeJong et al., 1995 [PubMed 7724559]).

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-GTF2A2 Antibody Picoband® Biotin Conjugated   |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | WB, IHC, ELISA   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N. |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.                             |
| Host                 | Rabbit   |
| Uniprot ID           | P52657   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E.coli-derived human GTF2A2 recombinant protein (Position: M1-E109). Human GTF2A2 shares 99.1% amino acid (aa) sequence identity with both mouse and rat GTF2A2.  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Biotin  |
| Suggested Dilutions | Western blot, Optimal dilutions should be determined by end users.<br>Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.<br>ELISA, Optimal dilutions should be determined by end users. |

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