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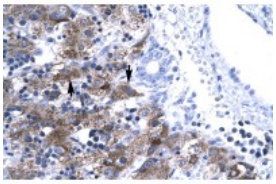
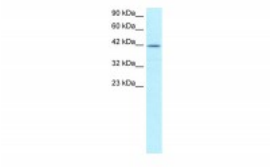
# NFYA Antibody

CATALOG NUMBER: 27-320



Antibody used in IHC on Human Liver cell lysates.




Antibody used in WB on Human Jurkat cells at 5.0-8.0 ug/ml.

## Specifications

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| **SPECIES REACTIVITY:** | Dog, Human, Mouse, Rat |
| **TESTED APPLICATIONS:** | ELISA, IHC, WB |
| **APPLICATIONS:** | NFYA antibody can be used for detection of NFYA by ELISA at 1:312500. NFYA antibody can be used for detection of NFYA by western blot at 5.0-8.0 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000. |
| **USER NOTE:** | Optimal dilutions for each application to be determined by the researcher. |
| **POSITIVE CONTROL:** | 1) Cat. No. 1205 - Jurkat Cell Lysate |
| **PREDICTED MOLECULAR WEIGHT:** | 37 kDa, 34 kDa |
| **IMMUNOGEN:** | Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human NFYA. |
| **HOST SPECIES:** | Rabbit |

## Properties

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| **PURIFICATION:** | Antibody is supplied as total IgG. |
| **PHYSICAL STATE:** | Lyophilized |
| **BUFFER:** | Antibody is lyophilized in PBS buffer with 2% sucrose. Add 200 uL of distilled water. Final antibody concentration is 1 mg/mL. |
| **CONCENTRATION:** | 1 mg/ml |
| **STORAGE CONDITIONS:** | For short periods of storage (days) store at 4˚C. For longer periods of storage, store NFYA antibody at -20˚C. As with any antibody avoid repeat freeze-thaw cycles. |
| **CLONALITY:** | Polyclonal |
| **CONJUGATE:** | Unconjugated |

## Additional Info

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|---|---|
| **ALTERNATE NAMES:** | NFYA, HAP2, CBF-A, CBF-B, NF-YA |
| **ACCESSION NO.:** | NP_002496 |
| **PROTEIN GI NO.:** | 4505389 |

| | |
|---|---|
| **OFFICIAL SYMBOL:** | NFYA |
| **GENE ID:** | 4800 |

## Background

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| **BACKGROUND:** | NFYA is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds to CCAAT motifs in the promoter regions in a variety of genes. Subunit A associates with a tight dimer composed of the B and C subunits, resulting in a trimer that binds to DNA with high specificity and affinity. The sequence specific interactions of the complex are made by the A subunit, suggesting a role as the regulatory subunit. In addition, there is evidence of post-transcriptional regulation in this gene product, either by protein degradation or control of translation. Further regulation is represented by alternative splicing in the glutamine-rich activation domain, with clear tissue-specific preferences for the two isoforms. |
| **REFERENCES:** | 1) Zhu, Q.S., et al., (2004) J.Biol.Chem.279(29):29902-29910. |

**FOR RESEARCH USE ONLY**

December 12, 2016