# Human/Mouse NRARP Antibody

Antigen Affinity-purified Polyclonal Goat IgG

Catalog Number: AF4814

## DESCRIPTION

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|---|---|
| **Species Reactivity** | Human/Mouse |
| **Specificity** | Detects human and mouse NRARP in direct ELISAs and Western blots. |
| **Source** | Polyclonal Goat IgG |
| **Purification** | Antigen Affinity-purified |
| **Immunogen** | *E. coli*-derived recombinant human NRARP<br>Ser2-Arg114<br>Accession # Q7Z6K4 |
| **Formulation** | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS. |

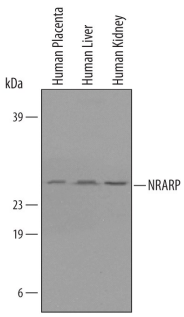
## APPLICATIONS

**Please Note:** *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

| | Recommended Concentration | Sample |
|---|---|---|
| **Western Blot** | 1 µg/mL | See Below |

## DATA

**Western Blot**




**Detection of Human/Mouse NRARP by Western Blot.** Western blot shows lysates of human placenta, liver, and kidney tissue. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse NRARP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4814) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for NRARP at approximately 25 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

## PREPARATION AND STORAGE

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| **Reconstitution** | Reconstitute at 0.2 mg/mL in sterile PBS. |
| **Shipping** | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| **Stability & Storage** | **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**<br>● 12 months from date of receipt, -20 to -70 °C as supplied.<br>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.<br>● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

## BACKGROUND

NRARP (Notch-regulated ankyrin repeat protein) is a 13 kDa (predicted) protein that is induced by Notch activation. In SDS-PAGE, this protein migrates at 25-30 kDa. It is expressed in multiple cell types such as fibroblasts and thymocyte precursors. NRARP is presumed to block Notch1-mediated conversion of the CSL transcription factor from a transcriptional suppressor to activator. It is also a positive regulator of the Wnt pathway by stabilizing LEF1. Human NRARP is 114 amino acids (aa) in length. It contains two C-terminal ankyrin-like repeats (aa 50-82 and 83-114) that may be involved in protein-protein interactions. Human and mouse NRARP are identical in amino acid sequence.



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