# Anti-ARA54 antibody

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| **Description** | Rabbit polyclonal to ARA54. |

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| **Model** | STJ91666 |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Applications** | ELISA, WB |
| **Immunogen** | Synthesized peptide derived from human ARA54 |
| **Immunogen Region** | 330-410 aa, C-terminal |
| **Gene ID** | 9604 |
| **Gene Symbol** | RNF14 |
| **Dilution range** | WB 1:500-1:2000ELISA 1:40000 |
| **Specificity** | ARA54 Polyclonal Antibody detects endogenous levels of ARA54 protein. |
| **Tissue Specificity** | Widely expressed. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | E3 ubiquitin-protein ligase RNF14 Androgen receptor-associated protein 54 HFB30 RING finger protein 14 Triad2 protein |
| **Molecular Weight** | 50 kDa |
| **Clonality** | Polyclonal |

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| **Conjugation** | Unconjugated |
| **Isotype** | IgG |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:10058OMIM:605675 |
| **Alternative Names** | E3 ubiquitin-protein ligase RNF14 Androgen receptor-associated protein 54 HFB30 RING finger protein 14 Triad2 protein |
| **Function** | Might act as an E3 ubiquitin-protein ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes and then transfers it to substrates, which could be nuclear proteins. Could play a role as a coactivator for androgen- and, to a lesser extent, progesterone-dependent transcription. |
| **Sequence and Domain Family** | The N-terminal destruction box (D-box) acts as a recognition signal for degradation via the ubiquitin-proteasome pathway. The RING-type zinc finger is essential for the interaction with UBE2E2.; Members of the RBR family are atypical E3 ligases. They interact with the E2 conjugating enzyme UBE2L3 and function like HECT-type E3 enzymes: they bind E2s via the first RING domain, but require an obligate trans-thiolation step during the ubiquitin transfer, requiring a conserved cysteine residue in the second RING domain. |
| **Cellular Localization** | Cytoplasm Nucleus |
| **Post-translational Modifications** | RING-type zinc finger-dependent and UBE2E2-dependent autoubiquitination. |