

RNF14 Ab

Cat.#: AF0819
Size: 100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 50kDa
Clonality: Polyclonal

Application: WB 1:500-1:2000, IF/ICC 1:100-1:500

Reactivity: Human, Mouse, Rat

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: RNF14 Ab detects endogenous levels of RNF14.

Immunogen: A synthesized peptide derived from human RNF14.

Uniprot: Q9UBS8

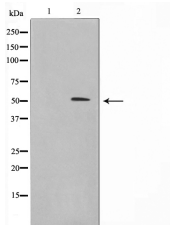
Description: RNF14 might act as an E3 ubiquitin-protein ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes and then transfers it to substrates, which could be nuclear proteins. Could play a role as a coactivator for androgen- and, to a lesser extent, progesterone-dependent transcription. Belongs to the RBR family. RNF14 subfamily. Interacts with the ubiquitin-conjugating enzymes UBE2E1 and UBE2E2 and in the presence of testosterone, with the androgen receptor (AR).

Subcellular Location: Nucleus;

Tissue Specificity: Widely expressed.

Similarity: 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. Belongs to the RBR family. RNF14 subfamily.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis on RAW264.7 cell lysate using RNF14 Ab. The lane on the left is treated with the antigen-specific peptide.



AF0819 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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