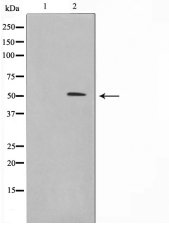
RNF14 Ab

Cat.#: AF0819	Concn.: 1mg/ml	Mol.Wt.: 50kDa
Size: 100ul,200ul	Source: Rabbit	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.