Product name:	ARA54 Rabbit Polyclonal Antibody
Cat number:	ABN07087
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human RNF14. AA range:361-410
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight:	50kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

The protein encoded by this gene contains a RING zinc finger, a motif known to be involved in protein-protein interactions. This protein interacts with androgen receptor (AR) and may function as a coactivator that induces AR target gene expression in prostate. A dominant negative mutant of this gene has been demonstrated to inhibit the AR-mediated growth of prostate cancer. This protein also interacts with class III ubiquitin-conjugating enzymes (E2s) and may act as a ubiquitin-ligase (E3) in the ubiquitination of certain nuclear proteins. Six alternatively spliced transcript variants encoding two distinct isoforms have been reported. [provided by RefSeq, Jan 2011],caution:Lacks the His residue in the RING-type domain 2 that is one of the conserved features of the family.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,domain:The N-terminal destruction box (D-box) acts as a recognition signal for degradation via the ubiquitin-proteasome pathway.,domain:The RING-type zinc finger is essential for the interaction with UBE2E2.,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.,pathway:Protein modification; protein ubiquitination.,PTM:RING-type zinc finger-dependent and UBE2E2-dependent autoubiquitination.,similarity:Belongs to the RBR family. RNF14 subfamily.,similarity:Contains 1 IBR-type zinc finger.,similarity:Contains 1 RWD domain.,similarity:Contains 2 RING-type zinc fingers.,subunit:Interacts with the ubiquitin-conjugating enzymes UBE2E1 and UBE2E2 and in the presence of testosterone, with the androgen receptor (AR).,tissue specificity:Widely expressed.,