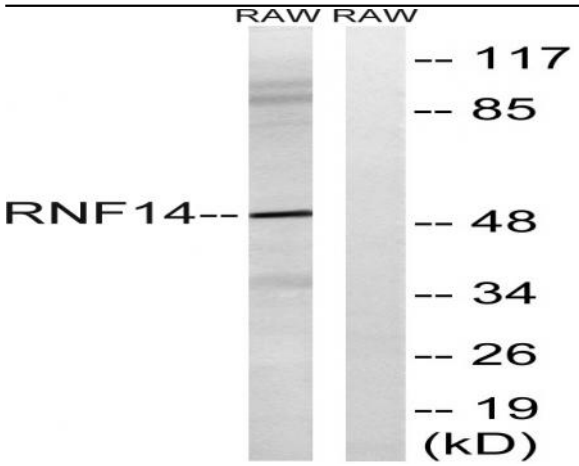
Best Tools for immunology Research

ARA54 Polyclonal Antibody

Catalog No :	YT0301
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	ARA54
Gene Name :	RNF14
Protein Name :	E3 ubiquitin-protein ligase RNF14
Human Gene Id :	9604
Human Swiss Prot No :	Q9UBS8
Mouse Gene Id :	56736
Mouse Swiss Prot No :	Q9JI90
Immunogen :	The antiserum was produced against synthesized peptide derived from human RNF14. AA range:361-410
Specificity :	ARA54 Polyclonal Antibody detects endogenous levels of ARA54 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band :	50kD
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],
Function :	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:Be
Subcellular Location :	Cytoplasm . Nucleus .
Expression :	Widely expressed.
Sort :	2207
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western blot analysis of lysates from RAW264.7 cells, using RNF14 Antibody. The lane on the right is blocked with the synthesized peptide.