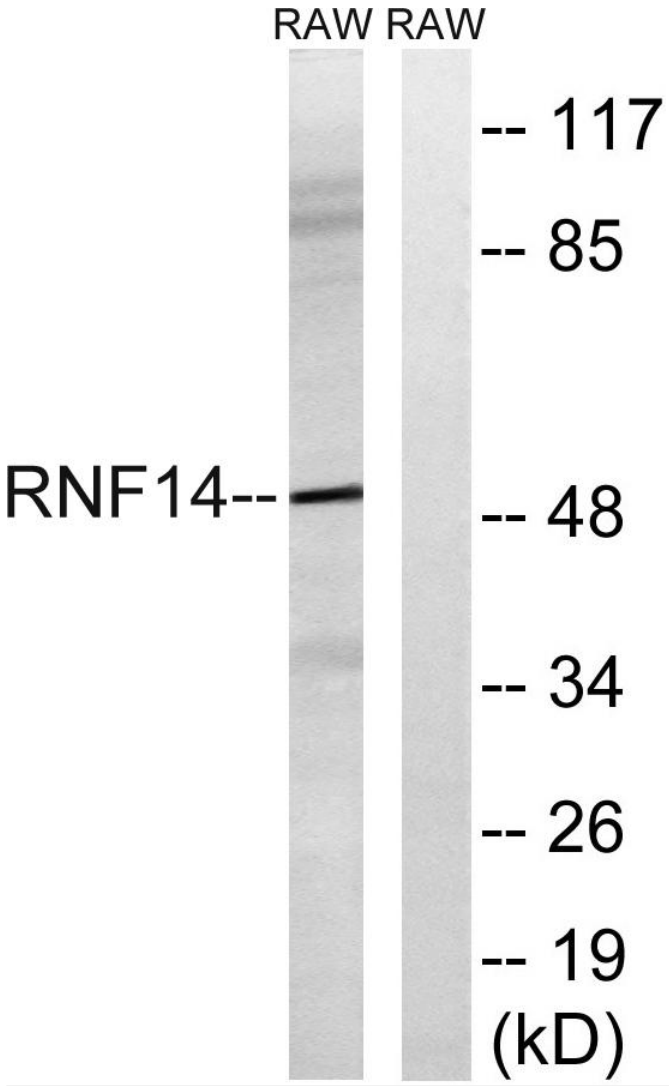
ARA54 Monoclonal Antibody

Catalog No	YP-mAb-01537
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RNF14
Protein Name	E3 ubiquitin-protein ligase RNF14
Immunogen	The antiserum was produced against synthesized peptide derived from human RNF14. AA range:361-410
Specificity	ARA54 Monoclonal Antibody detects endogenous levels of ARA54 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RNF14; ARA54; HRIHFB2038; E3 ubiquitin-protein ligase RNF14; Androgen receptor-associated protein 54; HFB30; RING finger protein 14; Triad2 protein
Observed Band	50kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Widely expressed.
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

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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using ARA54 Monoclonal Antibody