

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects endogenous human ARA54 in Western blots.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human ARA54 Met127-Gln261 Accession # Q9UBS8
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## BACKGROUND

ARA54 (androgen receptor associated protein 54; also RING finger protein 14) is a 50-55 kDa member of the zinc finger superfamily of proteins. It is ubiquitously expressed, and has two functions; one is to serve as a homodimeric co-activator for androgen receptor-induced transcription, and a second as an E3 ubiquitin-protein ligase. Human ARA54 is 474 amino acids (aa) in length and contains an RDW domain that interacts with E2 ubiquitin ligase (aa 11-137), two zinc finger domains that qualify as RING-type (aa 220-266) and IBR-type (aa 289-350), and an androgen-interaction region (aa 361-474) that contains a coiled-coil domain. There is one alternate start site at Met127. Over aa 127-261, human ARA54 is 87% aa identical to mouse ARA54.

## PRODUCT SPECIFIC NOTICES

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