

## Arkadia Rabbit pAb

CatalogNo: YT0329

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, ELISA

#### MW

- 110kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:40000**

**Not yet tested in other applications.**

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

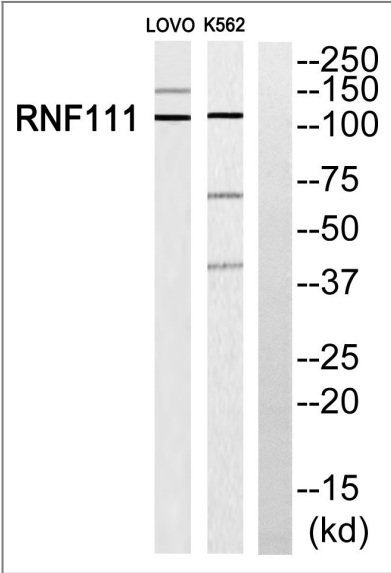
**Immunogen** The antiserum was produced against synthesized peptide derived from human RNF111. AA range: 901-950

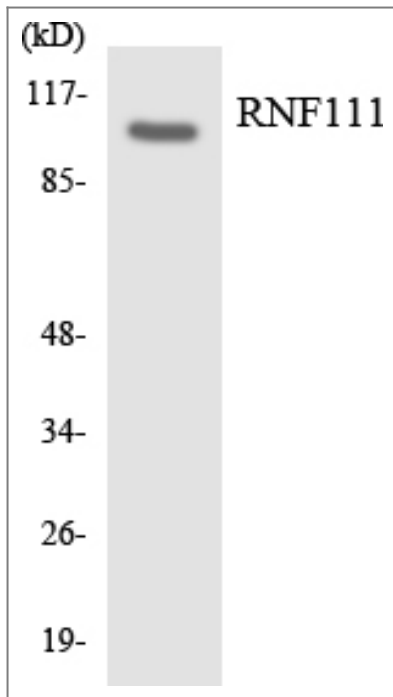
**Specificity** Arkadia Polyclonal Antibody detects endogenous levels of Arkadia protein.

### Target Information

Gene name	RNF111		
Protein Name	E3 ubiquitin-protein ligase Arkadia		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">54778</a> ;	<a href="#">Q6ZNA4</a> ;
	Mouse	<a href="#">93836</a> ;	<a href="#">Q99ML9</a> ;
Cellular Localization	Nucleus . Cytoplasm . Nucleus, PML body . Upon TGF-beta treatment, translocates from nucleus to cytosol. .		
Tissue specificity	Broadly expressed.		
Function	Function:Acts in the NODAL pathway of mesoderm patterning during embryonic development. Acts downstream AXIN1 as an E3 ubiquitin-protein ligase which promotes the ubiquitination of inhibitory SMADs such as SMAD7, induces their proteasomal degradation and thereby enhances the transcriptional activity of TGF-beta and BMP. Activates Smad3/Smad4-dependent transcription by triggering signal-induced SnoN degradation.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 RING-type zinc finger.,subcellular location:Upon TGF-beta treatment, translocates from nucleus to cytosol.,subunit:Interacts with SMAD6, SMAD7, AXIN1, AXIN2 and SKIL isoform SNON. Part of a complex containing RNF111, AXIN1 and SMAD7.,tissue specificity:Broadly expressed.,		

Validation Data





Western blot analysis of the lysates from Jurkat cells using RNF111 antibody.

## Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**Arkadia Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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