

## **Human/Mouse THAP11 Antibody**

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF5727

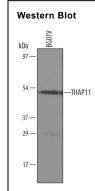
DESCRIPTION	
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse THAP11 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human THAP11 Gly226-Met314 Accession # Q96EK4
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## 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.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

## DATA



Detection of Human THAP11 by Western Blot. Western blot shows lysates of BG01V human embryonic stem cells. PVDF membrane was probed with 1 µg/mL of Human THAP11 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5727) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for THAP11 at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.	
	*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## BACKGROUND

THAP11, also known as Ronin, is a 36-44 kDa member of the thanatos-associated protein family. It is ubiquitously expressed and through its repression of c-Myc transcription, blocks cell proliferation. Human THAP11 is 314 amino acids (aa) in length. It contains a DNA-binding THAP zinc-finger domain (aa 5-81), an NLS (aa 98-104), a polyGln region (aa 104-146), an Ala-rich segment (aa 197-221) and a C-terminal coiled-coil region (aa 255-305). THAP11 is phosphorylated on Thr25. Over aa 226-314, human and mouse THAP11 are 100% identical in amino acid sequence.

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