

## Anti-PAWR Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Cow, Rabbit)
Molecular Weight:	Theoretical: 37 kDa. Actual: 40 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	1. Sample: a549 (Human) Cell Lysate at 30 µg Primary: Anti-PAWR (TMAB-10008) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 40 kD
	2. Sample: Bone (Mouse) Lysate at 40 µg Primary: Anti-PAWR (TMAB-10008) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 40 kD
	Application: WB
	Recommended WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human PAWR
Antigen Species:	Human
Gene ID:	5074
Uniprot ID:	Q96IZ0

## Research Background

This gene encodes a tumor suppressor protein that selectively induces apoptosis in cancer cells through intracellular and extracellular mechanisms. The intracellular mechanism involves the inhibition of pro-survival pathways and the activation of Fas-mediated apoptosis, while the extracellular mechanism involves the binding of a secreted form of this protein to glucose regulated protein 78 (GRP78) on the cell surface, which leads to activation of the extrinsic apoptotic pathway. This gene is located on the unstable human chromosomal 12q21 region and is often deleted or mutated in different tumors. The encoded protein also plays an important role in the progression of age-related diseases. [provided by RefSeq, Aug 2017]

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