

Datasheet for ABIN7599938  
**anti-PAWR antibody (AA 13-333)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PAWR
Binding Specificity:	AA 13-333
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAWR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-PAR4/Pawr Antibody Picoband®
Immunogen:	E.coli-derived mouse PAR4/Pawr recombinant protein (Position: T13-R333).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PAR4/Pawr Antibody Picoband® (ABIN7599938). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	PAWR
Alternative Name:	Pawr ( <a href="#">PAWR Products</a> )
Background:	<p>Synonyms: Protein ERGIC-53, ER-Golgi intermediate compartment 53 kDa protein, Gp58, Intracellular mannose-specific lectin MR60, Lectin mannose-binding 1, LMAN1, ERGIC53, F5F8D</p> <p>Tissue Specificity: Ubiquitous.</p> <p>Background: PRKC, apoptosis, WT1, regulator, also known as PAWR or Prostate apoptosis response-4 (Par-4), is a human gene. 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 different tumors. The encoded protein also plays an important role in the progression of age-related diseases.</p>
Molecular Weight:	45 kDa
Gene ID:	114774
UniProt:	<a href="#">Q925B0</a>

## Application Details

Application Notes:	<p>Western blot, 0.1-0.25 µg/mL, Mouse, Rat</p> <p>Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Mouse</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Mouse</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Donninger, H., Hesson, L., Vos, M., Beebe, K., Gordon, L., Sidransky, D., Liu, J. W., Schlegel, T., Payne, S., Hartmann, A., Latif, F., Clark, G. J. The Ras effector RASSF2 controls the PAR-4 tumor suppressor. <i>Molec. Cell. Biol.</i> 30: 2608-2620, 2010. 2. Duan, W., Zhang, Z., Gash, D. M., Mattson, M. P. Participation of prostate apoptosis response-4 in degeneration of dopaminergic neurons in models of Parkinson's disease. <i>Ann. Neurol.</i> 46: 587-597, 1999. 3. Johnstone, R. W., See, R. H., Sells, S. F., Wang, J., Muthukkumar, S., Englert, C., Haber, D. A., Licht, J. D., Sugrue, S. P., Roberts, T., Rangnekar, V. M., Shi, Y. A novel repressor, par-4, modulates transcription and</p>
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## Application Details

growth suppression functions of the Wilms' tumor suppressor WT1. Molec. Cell. Biol. 16: 6945-6956, 1996.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.01 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.