

## Anti-PCDHA11 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Dog,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 100 kDa. Actual: 110 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Sample: Rsc96 Cell (Rat) Cell Lysate at 40 µg Primary: Anti-PCDHA11 (TMAB-10055) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 100 kD Observed band size: 110 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 PCDHA11
Antigen Species:	Human
Gene ID:	56138
Uniprot ID:	Q9Y5I1

## Research Background

Protocadherins are a large family of cadherin-like cell adhesion proteins that are involved in the establishment and maintenance of neuronal connections in the brain. There are three protocadherin (PCDH) gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. The protein products of PCDH-alpha genes interact with Integrin  $\beta$ 1 to promote cell adhesion and form oligomers with PCDH-gamma proteins at specific membrane sites. PCDHA11 is a 949 amino acid single-pass transmembrane protein that contains six cadherin domains and functions as a potential calcium-dependent cell-adhesion protein, possibly playing a role in the creation and maintenance of neuronal connections. There are two isoforms of PCDHA11 that are produced as a result of alternative splicing events.

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