

## Anti-PCDH7 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Pig, Cow, Sheep)
Molecular Weight:	Theoretical: 113 kDa. Actual: 133 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	1. Concentration: 2 $\mu$ g/10 <sup>6</sup> cells. Positive control: Mouse brain cells.
	2. Sample: k562 (Human) Cell Lysate at 40 $\mu$ g
	Primary: Anti-PCDH7 (TMAB-10051) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 113 kD Observed band size: 133 kD
Application:	WB, FCM
Recommended	WB: 1:500-2000; FCM: 2 $\mu$ g/Test

## 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 PCDH7
Antigen Species:	Human
Gene ID:	5099
Uniprot ID:	O60245

## Research Background

As a subfamily of the cadherin superfamily, protocadherins are cadherin-like cell adhesion proteins that contain up to seven extracellular domains and are predominantly expressed in the nervous system. Importantly, the adhesion mechanism of protocadherins is distinct from classic cadherins. Through inactivation or overexpression, several protocadherins have been implicated in a variety of cancers. PCDH7 (protocadherin 7), also known as BHPCDH or BH-Pcdh, is a 1069 amino acid single-pass I membrane protein that is expressed in the brain and heart. Containing seven cadherin domains, PCDH7 is thought to function in cell-cell recognition and adhesion. PCDH7 exists as three isoforms due to alternative splicing events.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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