

## PCDGH Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP11839
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human PCDGH
<b>Mol wt</b>	101530
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	PCDGH
<b>Synonyms</b>	PCDGH

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

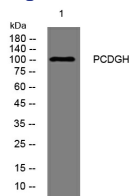
This gene is a member of the protocadherin gamma gene cluster| one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization| suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes| subfamily B contains 7 genes and 2 pseudogenes| and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large| variable region exons are followed by a constant region| containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region| which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes.

### Recommended Dilution

WB: 1: 500 - 1: 2000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°C overnight

### Storage

-20°C for 1 year