

## Product datasheet

# Anti-PCDH7 antibody [OTI2G6] ab139274

★★★★★ [1 Abreviews](#) [10 References](#) [4 Images](#)

### Overview

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<b>Product name</b>	Anti-PCDH7 antibody [OTI2G6]
<b>Description</b>	Mouse monoclonal [OTI2G6] to PCDH7
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Dog, Human, African green monkey
<b>Immunogen</b>	Recombinant full length Human PCDH7 (amino acids 1-1247) produced in HEK293T cells (NP_115833). <a href="#">Run BLAST with EXPASY</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	HEK293T cell lysate transfected with pCMV6-ENTRY PCDH7; HepG2, HeLa, SVT2, COS7, MDCK and MCF7 cell extracts; Human endometrium tissue; COS7 cells transiently transfected with pCMV6-ENTRY PCDH7
<b>General notes</b>	The clone number has been updated from 2G6 to OTI2G6, both clone numbers name the same clone.  Dilute in PBS (pH7.3) before use.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 1% BSA
<b>Purity</b>	Protein G purified

<b>Purification notes</b>	Purified from TCS
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	OT12G6
<b>Isotype</b>	IgG1

## Applications

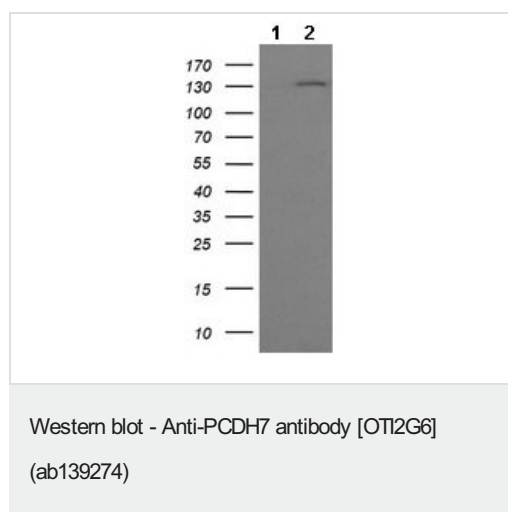
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab139274 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/200 - 1/2000. Predicted molecular weight: 116 kDa.
IHC-P		1/150.
ICC/IF		1/100.

## Target

<b>Tissue specificity</b>	Expressed predominantly in brain and heart and at lower levels in various other tissues.
<b>Sequence similarities</b>	Contains 7 cadherin domains.
<b>Post-translational modifications</b>	Isoform C is phosphorylated upon DNA damage, probably by ATM or ATR.
<b>Cellular localization</b>	Cell membrane.

## Images



**All lanes** : Anti-PCDH7 antibody [OT12G6] (ab139274) at 1/200 dilution

**Lane 1** : HEK293T cell lysate transfected with pCMV6-ENTRY control

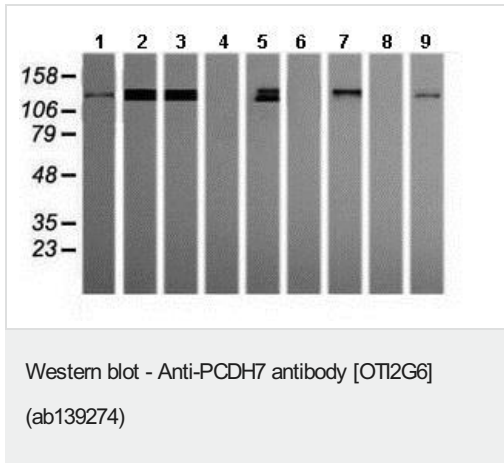
**Lane 2** : HEK293T cell lysate transfected with pCMV6-ENTRY PCDH7

Lysates/proteins at 5 µg per lane.

**Predicted band size:** 116 kDa

HEK293T cell lysates were generated from transient transfection of

the cDNA clone (RC206769)



**All lanes** : Anti-PCDH7 antibody [OT12G6] (ab139274) at 1/200 dilution

**Lane 1** : HepG2 cell extract

**Lane 2** : HeLa cell extract

**Lane 3** : SVT2 cell extract

**Lane 4** : A549 cell extract

**Lane 5** : COS7 cell extract

**Lane 6** : Jurkat cell extract

**Lane 7** : MDCK cell extract

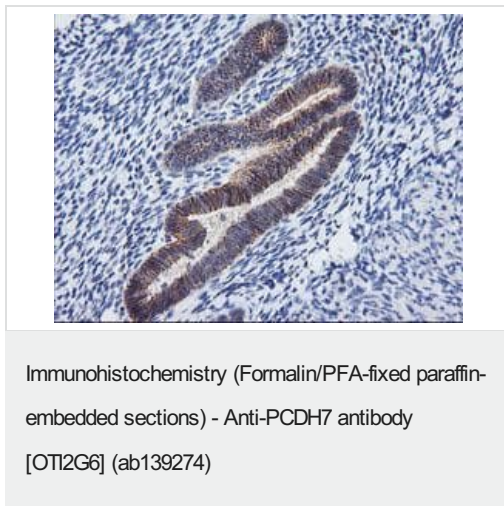
**Lane 8** : PC12 cell extract

**Lane 9** : MCF7 cell extract

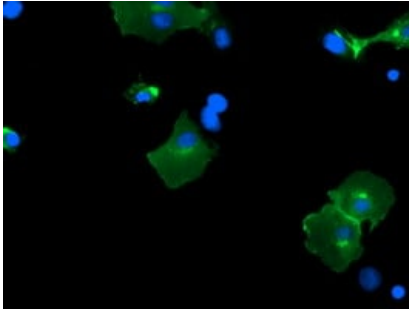
Lysates/proteins at 35 µg per lane.

**Predicted band size:** 116 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC206740)



Immunohistochemical analysis of paraffin-embedded Human endometrium tissue labelling PCDH7 with ab139274 at 1/150 dilution.



Immunofluorescent analysis of COS7 cells transiently transfected with pCMV6-ENTRY PCDH7 using ab139274 at 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-PCDH7 antibody [OTI2G6] (ab139274)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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