

## Product datasheet

# Anti-PCDH7 antibody [OTI2G6] ab139274

★★★★★ 1 Abreviews 2 References 4 Images

### Overview

<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, Dog, Human, 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.

### Properties

<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: 49% 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>	OTI2G6
<b>Isotype</b>	IgG1

### Applications

## Applications

Our [Abpromise guarantee](#) covers the use of **ab139274** in the following tested applications.

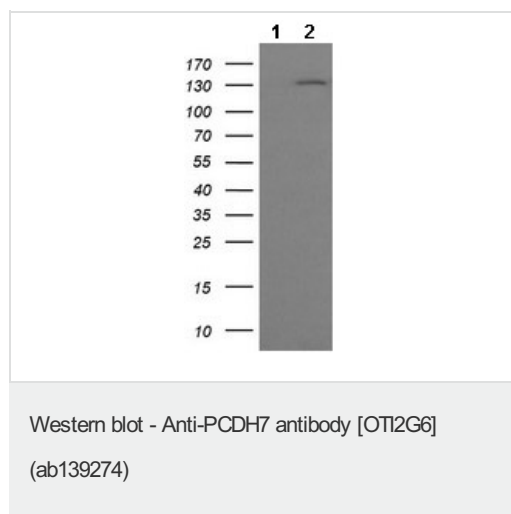
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★	1/200 - 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

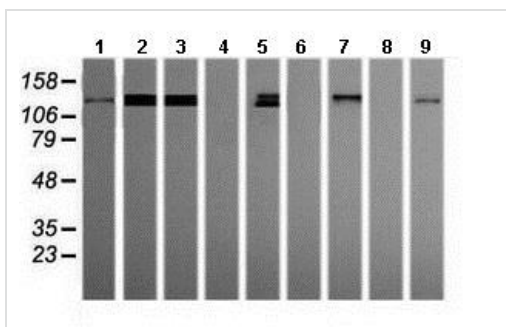
**Lane 1** : HEK293T cell lysate transfected with pCMV6-ENTRY control

**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)



Western blot - Anti-PCDH7 antibody [OT12G6] (ab139274)

**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

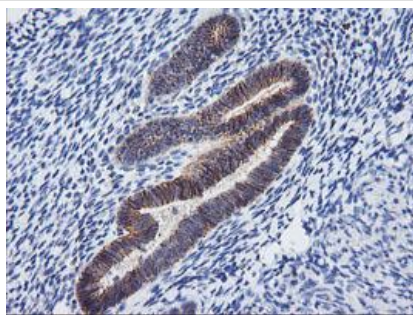
**Lane 8 :** PC12 cell extract

**Lane 9 :** MCF7 cell extract

Lysates/proteins at 35 µg per lane.

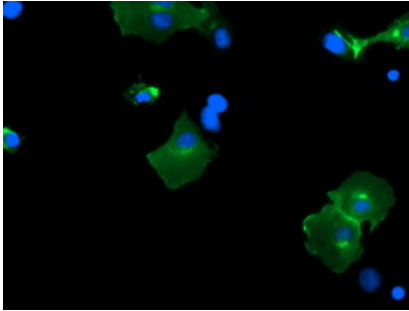
**Predicted band size:** 116 kDa

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCDH7 antibody [OT12G6] (ab139274)

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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