# Anti-PCDH7 antibody [OTI2G6] ab139274

**Product name**
Anti-PCDH7 antibody [OTI2G6]

**Description**
Mouse monoclonal [OTI2G6] to PCDH7

**Host species**
Mouse

**Tested applications**
Suitable for: WB, IHC-P, ICC/IF

**Species reactivity**
Reacts with: Mouse, Dog, Human, Monkey

**Immunogen**
Recombinant full length Human PCDH7 (amino acids 1-1247) produced in HEK293T cells (NP_115833).

**Positive control**
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

**General notes**
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.</td>
</tr>
<tr>
<td><strong>Storage buffer</strong></td>
<td>pH: 7.30</td>
</tr>
<tr>
<td></td>
<td>Preservative: 0.02% Sodium azide</td>
</tr>
<tr>
<td></td>
<td>Constituents: 49% PBS, 50% Glycerol, 1% BSA</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Protein G purified</td>
</tr>
<tr>
<td><strong>Purification notes</strong></td>
<td>Purified from TCS</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone number</strong></td>
<td>OTI2G6</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG1</td>
</tr>
</tbody>
</table>

## Applications

Run BLAST with ExPASy
Run BLAST with NCBI
Tissue specificity
Expressed predominantly in brain and heart and at lower levels in various other tissues.

Sequence similarities
Contains 7 cadherin domains.

Post-translational modifications
Isoform C is phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization
Cell membrane.

Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>1/150.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td></td>
<td>1/100.</td>
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</table>

Target

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<th>Tissue specificity</th>
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Images

All lanes: Anti-PCDH7 antibody [OTI2G6] (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 [OTI2G6]**

**All lanes**: Anti-PCDH7 antibody [OTI2G6] (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.

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