**Basic Information**

- **Catalog Number:** 15058-1-AP
- **Size:** 34 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG7041
- **GenBank Accession Number:** BC000590
- **GeneID (NCBI):** 10109

**Recommended Dilutions:**
- **WB:** 1:500-1:2000
- **IHC:** 1:50-1:500
- **IF:** 1:10-1:100

**Applications**

- **Tested Applications:** IF, IHC, WB, ELISA
- **Cited Applications:** WB

**Species Specificity:**
- **human, mouse, rat**

**Cited Species:** human

**Note-IHC:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

**Positive Controls:**
- **WB:** MCF7 cells; 3T3-L1 cells, HeLa cells, mouse skeletal muscle tissue, NIH/3T3 cells, PC-3 cells
- **IHC:** human breast cancer tissue
- **IF:** HeLa cells

**Background Information**

**Notable Publications**

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<th>Author</th>
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<tr>
<td>Nikki R Paul</td>
<td>26370503</td>
<td>J Cell Biol</td>
<td>WB</td>
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<td>Ping Chen</td>
<td>3072048</td>
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<td>Avanti Gokhale</td>
<td>27627567</td>
<td>J Neurosci</td>
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**Storage**

- **Storage:** Store at -20ºC. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquotting is unnecessary for -20ºC storage**
MCF7 cells were subjected to SDS PAGE followed by western blot with 15058-1-AP (ARPC2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of HeLa cells, using ARPC2 antibody 15058-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15058-1-AP (ARPC2 antibody) at dilution of 1:200 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15058-1-AP (ARPC2 antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).