MCP1 Polyclonal ANTIBODY

Catalog Number: 25542-1-AP

Basic Information

- **Catalog Number**: 25542-1-AP
- **Size**: 43 μg/150 μl
- **Source**: Rabbit
- **Isotype**: IgG
- **Purification Method**: Antigen affinity purification
- **Immunogen Catalog Number**: AG10601
- **GenBank Accession Number**: BC009716
- **GeneID (NCBI)**: 6347
- **Full Name**: chemokine (C-C motif) ligand 2
- **Calculated MW**: 99aa, 11 kDa
- **Recommended Dilutions**:
  - IHC: 1:50-1:500
  - IF: 1:20-1:200

Applications

- **Tested Applications**: FC, IF, IHC, ELISA
- **Cited Applications**: IF, IHC
- **Species Specificity**: human
- **Cited Species**: human, mouse, rat

**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**:
- IHC: human breast cancer tissue; human liver cancer tissue
- IF: HeLa cells

Background Information

Notable Publications

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<th>Author</th>
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<tr>
<td>Yun Zhu</td>
<td>31660067</td>
<td>Theranostics</td>
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<td>Qian Zhang</td>
<td>31593304</td>
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<td>Chin-Chuan Chen</td>
<td>31121128</td>
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Storage

- **Storage**: Store at -20°C. Stable for one year after shipment.
- **Storage Buffer**: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**
Selected Validation Data

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 25542-1-AP (MCP1 antibody) at dilution of 1:200 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 25542-1-AP (MCP1 antibody) at dilution of 1:200 (under 40x lens).

Immunofluorescent analysis of HeLa cells using 25542-1-AP (MCP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

1X10⁶ A549 cells were stained with 0.2ug MCP1 antibody (25542-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) with dilution 1:1500.