GM-CSF Polyclonal ANTIBODY

Catalog Number: 17762-1-AP

Basic Information

Catalog Number: 17762-1-AP
Size: 35 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG12142

GenBank Accession Number: BC108724
GeneID (NCBI): 1437
Full Name: colony stimulating factor 2 (granulocyte-macrophage)
Calculated MW: 144aa, 16 kDa
Observed MW: 22 kDa

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:50-1:500

Recommended Applications:
IHC, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
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:
WB: RAW 264.7 cells; RAW264.7 cells
IHC: human lung tissue, human cervical cancer tissue, human tonsil tissue, human spleen tissue

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:

Notable Publications

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<th>Author</th>
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<td>Yi Wang</td>
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<td>Haotian Wang</td>
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<td>Leiyun Xu</td>
<td>31315923</td>
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Background Information

Granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony-stimulating factor 2 (CSF2), is a monomeric glycoprotein secreted by macrophages, T cells, mast cells, natural killer cells, endothelial cells and fibroblasts. GM-CSF is a hematopoietic growth factor that stimulates the development of early erythroid megakaryocytic and eosinophilic progenitor cells (PMID 2990035). GM-CSF stimulates stem cells to produce granulocytes (neutrophils, eosinophils, and basophils) and monocytes (PMID 3021817, 2984574, 6390681).

Storage

Storage: Store at -20°C. Stable for one year after shipment.

Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage.
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17762-1-AP (GM-CSF 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 tonsillitis tissue slide using 17762-1-AP (GM-CSF antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 17762-1-AP (GM-CSF 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 lung tissue slide using 17762-1-AP (GM-CSF antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

RAW264.7 cells were subjected to SDS PAGE followed by western blot with 17762-1-AP (GM-CSF antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

RAW264.7 cells were subjected to SDS PAGE followed by western blot with 17762-1-AP (GM-CSF antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.