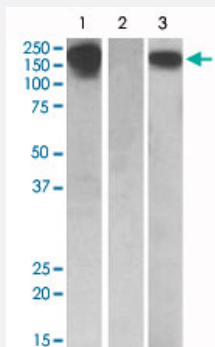


CSF1R polyclonal antibody

Catalog # PAB18946 Size 100 ug

Applications



Western Blot (Transfected lysate)

HEK293 lysate (10 ug protein in RIPA buffer) overexpressing human CSF1R with C-terminal MYC tag probed with CSF1R polyclonal antibody (Cat # PAB18946, 0.5 ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with EB10257 (1 mg/mL) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

Specification

| | |
|-----------------------------|---|
| Product Description | Goat polyclonal antibody raised against synthetic peptide of CSF1R. |
| Immunogen | A synthetic peptide corresponding to amino acids at internal region of human CSF1R. |
| Sequence | C-KNIHLEKKYVR |
| Host | Goat |
| Theoretical MW (kDa) | 200 |
| Reactivity | Human |
| Form | Liquid |
| Purification | Antigen affinity purification |
| Concentration | 0.5 mg/mL |
| Recommend Usage | ELISA (1:32000) Western Blot (0.1-0.5 ug/mL) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide) |

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CSF1R

Entrez GeneID[1436](#)**Protein Accession#**[NP_005202.2](#)**Gene Name**

CSF1R

Gene Alias

C-FMS, CD115, CSFR, FIM2, FMS

Gene Description

colony stimulating factor 1 receptor

Omim ID[164770](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. This receptor mediates most if not all of the biological effects of this cytokine. Ligand binding activates the receptor kinase through a process of oligomerization and transphosphorylation. The encoded protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in this gene have been associated with a predisposition to myeloid malignancy. The first intron of this gene contains a transcriptionally inactive ribosomal protein L7 processed pseudogene oriented in the opposite direction. [provided by RefSeq]

Other Designations

CD115 antigen|FMS proto-oncogene|McDonough feline sarcoma viral (v-fms) oncogene homolog
|macrophage colony stimulating factor I receptor|soluble CSF1R variant 1

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Hematopoietic cell lineage](#)
- [Pathways in cancer](#)

Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Lung Neoplasms](#)
- [Myelodysplastic Syndromes](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Purpura](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)