



Anti-Hepatocyte Growth Factor polyclonal antibody (DPAB-DC1552)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | <p>Hepatocyte growth factor regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto-oncogenic c-Met receptor.</p> <p>Hepatocyte growth factor is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and matrix invasion gives it a central role in angiogenesis, tumorigenesis, and tissue regeneration. It is secreted as a single inactive polypeptide and is cleaved by serine proteases into a 69-kDa alpha-chain and 34-kDa beta-chain. A disulfide bond between the alpha and beta chains produces the active, heterodimeric molecule. The protein belongs to the plasminogen subfamily of S1 peptidases but has no detectable protease activity. Alternative splicing of this gene produces multiple transcript variants encoding different isoforms.</p> |
| Target | Hepatocyte Growth Factor |
| Immunogen | <p>HGF (NP_000592, 619 a.a. ~ 728 a.a) partial recombinant protein with GST tag. The sequence is</p> <p>YTGLINYDGLLRVAHLYIMGNEKCSQHHRGKVTLNESEICAGAEKIGSGPCEGDYGGPLV CEQHKMRMVLGVIVPGRGCAIPNRPGIFVRVAYYAKWIKIILTYKVPQS</p> |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |

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| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | HGF hepatocyte growth factor (hepapoietin A; scatter factor) [Homo sapiens (human)] |
| Official Symbol | HGF |
| Synonyms | HGF; hepatocyte growth factor (hepapoietin A; scatter factor); SF; HGFB; HPTA; F-TCF; DFNB39; hepatocyte growth factor; hepatopoeitin-A; hepatopoietin-A; lung fibroblast-derived mitogen; fibroblast-derived tumor cytotoxic factor; |
| Entrez Gene ID | 3082 |
| Protein Refseq | NP_000592 |
| UniProt ID | P14210 |
| Chromosome Location | 7q21.1 |
| Pathway | Arf6 signaling events; Cytokine-cytokine receptor interaction; FGF signaling pathway; Focal adhesion |
| Function | chemoattractant activity; growth factor activity; identical protein binding; protein binding |