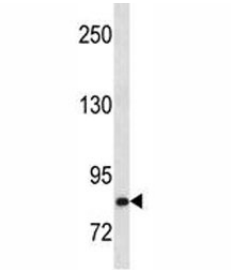
HGF Antibody [clone 489CT6.12.6] (F40371)

Catalog No.	Formulation	Size
F40371-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40371-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	489CT6.12.6
Purity	Purified
UniProt	P14210
Applications	Western Blot : 1:100-1:250
Limitations	This HGF antibody is available for research use only.



HGF antibody western blot analysis in Ramos lysate. Predicted molecular weight: 76-91 kDa (precursor), 54-64 kDa (alpha chain), 31-34 kDa (beta chain).

Description

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. 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, tumorogenesis, and tissue regeneration. It is secreted as a single inactive polypeptide and is cleaved by serine proteases into a 64-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. [provided by RefSeq].

Application Notes

Titration of the HGF antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 521-554 from the human protein was used as the immunogen for this HGF antibody.

Storage

Aliquot the HGF antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.