Datasheet for ABIN544641

# anti-HGF antibody (AA 521-554)

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## Overview

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|---|---|
| Quantity: | 400 µL |
| Target: | HGF |
| Binding Specificity: | AA 521-554 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HGF antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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| Purpose: | Rabbit polyclonal antibody raised against synthetic peptide of HGF. |
| Immunogen: | A synthetic peptide (conjugated with KLH) corresponding to amino acids 521-554 at C-terminus of human HGF. |
| Cross-Reactivity: | Human |

## Target Details

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| Target: | HGF |
| Alternative Name: | Hepatocyte growth factor / HGF (HGF Products) |
| Gene ID: | 3082 |

## Target Details

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| Pathways: | RTK Signaling, Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Synaptic Membrane, Signaling of Hepatocyte Growth Factor Receptor |

## Application Details

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| Application Notes: | Flow Cytometry (1:10-50)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100)<br>Western Blot (1:1000)<br>The optimal working dilution should be determined by the end user. |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Buffer: | In PBS (0.09 % sodium azide). |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Publications

| | |
|---|---|
| Product cited in: | Toiyama, Yasuda, Saigusa, Matushita, Fujikawa, Tanaka, Mohri, Inoue, Goel, Kusunoki: "Co-expression of hepatocyte growth factor and c-Met predicts peritoneal dissemination established by autocrine hepatocyte growth factor/c-Met signaling in gastric cancer." in: **International journal of cancer. Journal international du cancer**, Vol. 130, Issue 12, pp. 2912-21, (2012) (PubMed).<br><br>Lyon, Deakin, Lietha, Gherardi, Gallagher et al.: "The interactions of hepatocyte growth factor/scatter factor and its NK1 and NK2 variants with glycosaminoglycans using a modified gel mobility shift assay. Elucidation of the minimal size of binding ..." in: **The Journal of biological chemistry**, Vol. 279, Issue 42, pp. 43560-7, (2004) (PubMed). |

## Publications

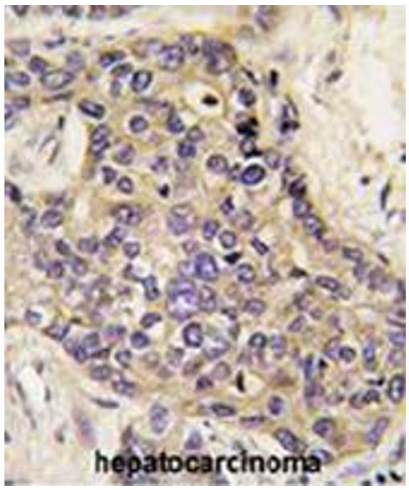
He, Zhou, Dou, Chen, Yan, Li: "Autocrine expression of hepatocyte growth factor and its cytoprotective effect on hepatocyte poisoning." in: **World journal of gastroenterology : WJG**, Vol. 10, Issue 19, pp. 2827-30, (2004) (PubMed).

Ryugo, Sawa, Ono, Fukushima, Aleshin, Mizuno, Nakamura, Matsuda: "Myocardial protective effect of human recombinant hepatocyte growth factor for prolonged heart graft preservation in rats." in: **Transplantation**, Vol. 78, Issue 8, pp. 1153-8, (2004) (PubMed).

## Images


### Western Blotting

**Image 1.** The HGF polyclonal antibody is used in Western blot to detect HGF in Ramos cell lysate. HGF (arrow) was detected using the purified polyclonal antibody.




### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin-embedded human hepatocellular carcinoma reacted with HGF polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.