



[Go to Product page](#)

Datasheet for ABIN388936  
**anti-HGS antibody (N-Term)**

2 Images

Overview

Quantity:	400 µL
Target:	HGS
Binding Specificity:	AA 256-286, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HGS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This HGS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 256-286 amino acids from the N-terminal region of human HGS.
Clone:	RB4400
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	HGS
Alternative Name:	HGS ( <a href="#">HGS Products</a> )

## Target Details

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**Background:** HGS is involved in intracellular signal transduction mediated by cytokines and growth factors. When associated with STAM, it suppresses DNA signaling upon stimulation by IL-2 and GM-CSF. It could be a direct effector of PI3-kinase in vesicular pathway via early endosomes and may regulate trafficking to early and late endosomes by recruiting clathrin. HGS may concentrate ubiquitinated receptors within clathrin-coated regions. It is involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with STAM. This complex binds ubiquitin and acts as sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes. HGS may contribute to the efficient recruitment of SMADs to the activin receptor complex.

**Molecular Weight:** 86192

**Gene ID:** 9146

**NCBI Accession:** [NP\\_004703](#)

**UniProt:** [O14964](#)

**Pathways:** [EGFR Signaling Pathway](#), [CXCR4-mediated Signaling Events](#), [Synaptic Vesicle Exocytosis](#), [EGFR Downregulation](#)

## Application Details

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**Application Notes:** WB: 1:1000. IHC-P: 1:50~100

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

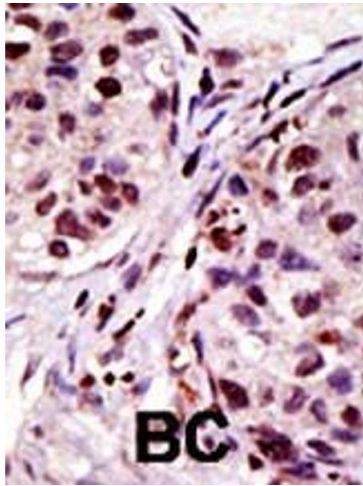
**Preservative:** Sodium azide

**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

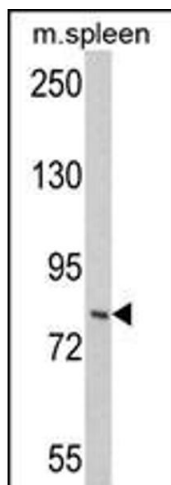
**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



### Western Blotting

**Image 2.** Western blot analysis of hIMOS-1- (ABIN388936 and ABIN2839204) in mouse spleen tissue lysates (35  $\mu$ g/lane). IMOS-1 (arrow) was detected using the purified Pab.