

Rabbit anti-Human, mouse HGS Polyclonal Antibody | anti-HGS antibody

HGS Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285794	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

HGS; Polyclonal Antibody; HGS Antibody (N-term); Hepatocyte growth factor-regulated tyrosine kinase substrate; Hrs; Protein pp110; HRS; anti-HGS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	256-286
Sequence Length	777
Applicable Applications for anti-HGS antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

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.



WB (Western Blot)

Western blot analysis of hIMOS-1-Q271 in mouse spleen tissue lysates (35ug/lane). IMOS-1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HGS antibody	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.
Product Categories/Family for anti-HGS antibody	Cell Biology; Signal transduction
References	Kirk E, et al. J Cell Sci. 2006 Nov 15;119(Pt 22):4689-701 Sasaki Y, et al. J Biol Chem. 2001 Aug 10;276(32):29943-52. Miura S, et al. Mol Cell Biol. 2000 Dec;20(24):9346-55.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758528
NCBI GeneID	9146
NCBI Accession #	NP_004703.1
NCBI GenBank Nucleotide #	NM_004712.4
UniProt Accession #	O14964; Q9NR36
Molecular Weight	86192
NCBI Official Full Name	hepatocyte growth factor-regulated tyrosine kinase substrate
NCBI Official Synonym Full Names	hepatocyte growth factor-regulated tyrosine kinase substrate
NCBI Official Symbol	HGS
NCBI Official Synonym Symbols	HRS
NCBI Protein Information	hepatocyte growth factor-regulated tyrosine kinase substrate
UniProt Protein Name	Hepatocyte growth factor-regulated tyrosine kinase substrate
UniProt Gene Name	HGS
UniProt Synonym Gene Names	HRS
UniProt Entry Name	HGS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hgs-antibody-immunohistochemistry-western-blot-elisa/285794>