

Datasheet for ABIN7601205
anti-HGS antibody (AA 3-777)



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Overview

Quantity:	100 µg
Target:	HGS
Binding Specificity:	AA 3-777
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HGS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-HGS Antibody Picoband®
Immunogen:	E.coli-derived human HGS recombinant protein (Position: R3-D777).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-HGS Antibody Picoband® (ABIN7601205). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	HGS
Alternative Name:	HGS (HGS Products)
Background:	Synonyms: Hepatocyte growth factor-regulated tyrosine kinase substrate, Hrs, Protein pp110, HGS, HRS Tissue Specificity: Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes. Background: Hepatocyte growth factor-regulated tyrosine kinase substrate is an enzyme that in humans is encoded by the HGS gene. It is mapped to 17q25.3. The protein encoded by this gene regulates endosomal sorting and plays a critical role in the recycling and degradation of membrane receptors. The encoded protein sorts monoubiquitinated membrane proteins into the multivesicular body, targeting these proteins for lysosome-dependent degradation.
Molecular Weight:	110-115 kDa
Gene ID:	9146
UniProt:	O14964
Pathways:	EGFR Signaling Pathway , CXCR4-mediated Signaling Events , Synaptic Vesicle Exocytosis , EGFR Downregulation

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Asao, H., Sasaki, Y., Arita, T., Tanaka, N., Endo, K., Kasai, H., Takeshita, T., Endo, Y., Fujita, T., Sugamura, K. Hrs is associated with STAM, a signal-transducing adaptor molecule: its suppressive effect on cytokine-induced cell growth. J. Biol. Chem. 272: 32785-32791, 1997. 2. Gutmann, D. H., Haipek, C. A., Burke, S. P., Sun, C.-X., Scoles, D. R., Pulst, S. M. The NF2 interactor, hepatocyte growth factor-regulated tyrosine kinase substrate (HRS), associates with merlin in the 'open' conformation and suppresses cell growth and motility. Hum. Molec. Genet. 10: 825-834, 2001. 3. Komada, M., Masaki, R., Yamamoto, A., Kitamura, N. Hrs, a tyrosine kinase substrate with a conserved double zinc finger domain, is localized to the cytoplasmic surface of early endosomes. J. Biol. Chem. 272: 20538-20544, 1997.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
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 -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.