


Anti-HGS antibody ab72053

8 References **3 图像**

概述

产品名称	Anti-HGS抗体
描述	兔多克隆抗体to HGS
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Human 预测可用于: Cow 
免疫原	Synthetic peptide within Human HGS aa 700 to the C-terminus (C terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <u>contact</u> our Scientific Support team to discuss your requirements. Database link: <u>O14964</u>
阳性对照	WB: HeLa, Renca, CT26.WT and 4T1 whole cell lysate. IP: HeLa whole cell lysate.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
纯化说明	ab72053 was affinity purified using an epitope specific to HGS immobilized on solid support.
克隆	多克隆

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab72053于以下的经测试应用

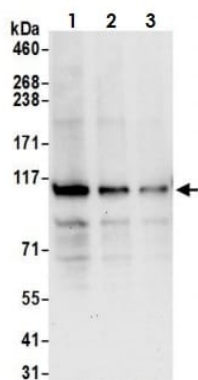
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Detects a band of approximately 110 kDa (predicted molecular weight: 86 kDa).
IP		Use at 2-10 µg/mg of lysate.

靶标

功能	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. 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. May concentrate ubiquitinated receptors within clathrin-coated regions. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with STAM (ESCRT-0 complex). The ESCRT-0 complex binds ubiquitin and acts as sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes. May contribute to the efficient recruitment of SMADs to the activin receptor complex. Involved in receptor recycling via its association with the CART complex, a multiprotein complex required for efficient transferrin receptor recycling but not for EGFR degradation.
组织特异性	Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes.
序列相似性	Contains 1 FYVE-type zinc finger. Contains 1 UIM (ubiquitin-interacting motif) repeat. Contains 1 VHS domain.
结构域	Has a double-sided UIM that can bind 2 ubiquitin molecules, one on each side of the helix. The FYVE-type zinc finger domain mediates interactions with phosphatidylinositol 3-phosphate in membranes of early endosomes and penetrates bilayers. The FYVE domain insertion into PtdIns(3)P-enriched membranes is substantially increased in acidic conditions.
翻译后修饰	Phosphorylated on Tyr-334. A minor site of phosphorylation on Tyr-329 is detected (By similarity). Phosphorylation occurs in response to EGF, IL-2, GM-CSF and HGF. Ubiquitinated by ITCH.
细胞定位	Cytoplasm. Early endosome membrane. Endosome > multivesicular body membrane.

图片



Western blot - Anti-HGS antibody (ab72053)

All lanes : Anti-HGS antibody (ab72053) at 0.1 µg/ml

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate at 50 µg

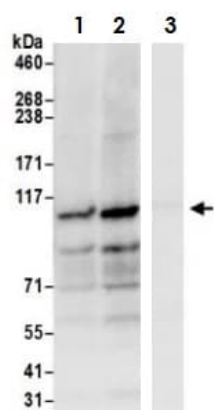
Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

Predicted band size: 86 kDa

Exposure time: 10 seconds

Lysates prepared using NETN lysis buffer.

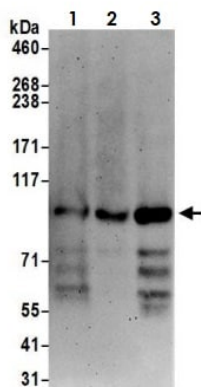


Immunoprecipitation - Anti-HGS antibody (ab72053)

Detection of human HGS by western blot of immunoprecipitates.

Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer.

Antibodies: ab72053 used for IP at 6 µg per reaction, lanes 1 and 2, lane 3 is control IgG. For blotting immunoprecipitated HGS, ab72053 was used at 0.4 µg/ml.



Western blot - Anti-HGS antibody (ab72053)

All lanes : Anti-HGS antibody (ab72053) at 0.1 µg/ml

Lane 1 : Renca (Mouse renal adenocarcinoma cell line) whole cell lysate

Lane 2 : CT26.WT (Mouse renal colorectal carcinoma cell line) whole cell lysate

Lane 3 : 4T1 (Mouse mammary gland cell line) whole cell lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 86 kDa

Exposure time: 3 minutes

Lysates prepared using NETN lysis buffer.

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