


# Anti-HGS antibody ab72053

**8 References**   **画像数 3**

### 製品の概要

製品名	Anti-HGS antibody
製品の詳細	Rabbit polyclonal to HGS
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Cow 
免疫原	<p>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 <b><u>contact</u></b> our Scientific Support team to discuss your requirements.</p> <p>Database link: <b><u>O14964</u></b></p>
ポジティブ・コントロール	WB: HeLa, Renca, CT26.WT and 4T1 whole cell lysate. IP: HeLa whole cell lysate.
特記事項	<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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	<p>pH: 6.8</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.1% BSA, Tris buffered saline</p>
精製度	Immunogen affinity purified
特記事項 (精製)	ab72053 was affinity purified using an epitope specific to HGS immobilized on solid support.
ポリ/モノ	ポリクローナル

## アプリケーション

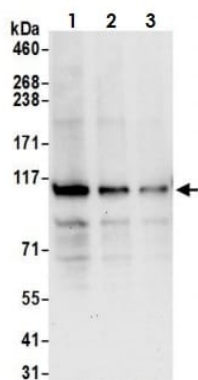
**The Abpromise guarantee** Abpromise保証は、 次のテスト済みアプリケーションにおけるab72053の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

## ターゲット情報

機能	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.
組織特異性	Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes.
配列類似性	Contains 1 FYVE-type zinc finger. Contains 1 UIM (ubiquitin-interacting motif) repeat. Contains 1 VHS domain.
ドメイン	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.
翻訳後修飾	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.
細胞内局在	Cytoplasm. Early endosome membrane. Endosome > multivesicular body membrane.

## 画像



Western blot - Anti-HGS antibody (ab72053)

**All lanes :** Anti-HGS antibody (ab72053) at 0.1  $\mu\text{g/ml}$

**Lane 1 :** HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate at 50  $\mu\text{g}$

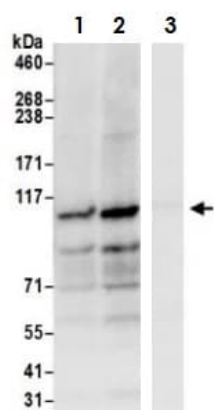
**Lane 2 :** HeLa whole cell lysate at 15  $\mu\text{g}$

**Lane 3 :** HeLa whole cell lysate at 5  $\mu\text{g}$

**Predicted band size:** 86 kDa

**Exposure time:** 10 seconds

Lysates prepared using NETN lysis buffer.

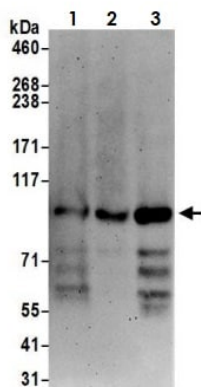


Immunoprecipitation - Anti-HGS antibody (ab72053)

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  $\mu\text{g}$  per reaction, lanes 1 and 2, lane 3 is control IgG. For blotting immunoprecipitated HGS, ab72053 was used at 0.4  $\mu\text{g/ml}$ .



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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