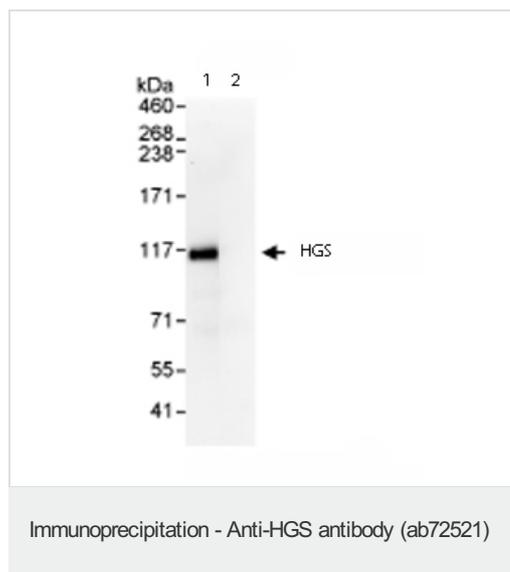


ターゲット情報

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



Immunoprecipitation/ Western Blot of HGS.

Lane 1: ab72521 at 3µg/mg HeLa whole cell lysate (1mg for IP, 20% of IP loaded).

Lane 2: Control IgG.

ab72521 at 1µg/ml for WB.

Chemiluminescence with an exposure time of 30 seconds.

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