

HGS Polyclonal Antibody

Catalog NumberPA5-27502

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	1:500-1:3,000
Type	Antibody	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 78 and 365 of Human HGS	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.15 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: A431, H1299, HeLa. Predicted reactivity: Mouse (95%), Rat (95%), Zebrafish (88%), Xenopus laevis (87%), Dog (92%), Rhesus Monkey (99%), Bovine (95%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

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.

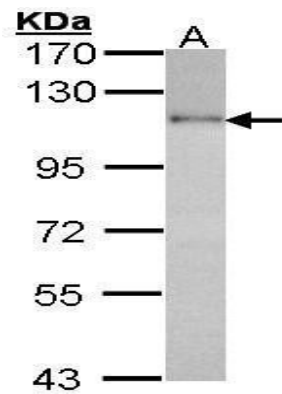
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Product Images For HGS Polyclonal Antibody



HGS Antibody (PA5-27502) in WB

Western Blot using HGS Polyclonal Antibody (Product # PA5-27502). Sample (30 µg of whole cell lysate). Lane A: H1299 . 7.5% SDS PAGE. HGS Polyclonal Antibody (Product # PA5-27502) diluted at 1:1,000.

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