

AXL antibody

Product Information

Catalog No.:	FNab00754
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding growth factor GAS6 and which is thus regulating many physiological processes including cell survival, cell proliferation, migration and differentiation. Ligand binding at the cell surface induces dimerization and autophosphorylation of AXL. Following activation by ligand, AXL binds and induces tyrosine phosphorylation of PI3-kinase subunits PIK3R1, PIK3R2 and PIK3R3; but also GRB2, PLCG1, LCK and PTPN11. Other downstream substrate candidates for AXL are CBL, NCK2, SOCS1 and TNS2. Recruitment of GRB2 and phosphatidylinositol 3 kinase regulatory subunits by AXL leads to the downstream activation of the AKT kinase. GAS6/AXL signaling plays a role in various processes such as endothelial cell survival during acidification by preventing apoptosis, optimal cytokine signaling during human natural killer cell development, hepatic regeneration, gonadotropin-releasing hormone neuron survival and migration, platelet activation, or regulation of thrombotic responses. Plays also an important role in inhibition of Toll-like receptors(TLRs)-mediated innate immune response. (Microbial infection) Acts as a receptor for lassa virus and lymphocytic choriomeningitis virus, possibly through GAS6 binding to phosphatidyl-serine at the surface of virion envelope(PubMed:22156524, PubMed:22673088, PubMed:25277499, PubMed:21501828). Acts as a receptor for ebolavirus, possibly through GAS6 binding to phosphatidyl-serine at the surface of virion envelope(PubMed:17005688).

Immunogen information

Immunogen:	AXL receptor tyrosine kinase
Synonyms:	Tyrosine-protein kinase receptor UFO AXL oncogene AXL UFO

Observed MW: 140 kDa
Uniprot ID : P30530

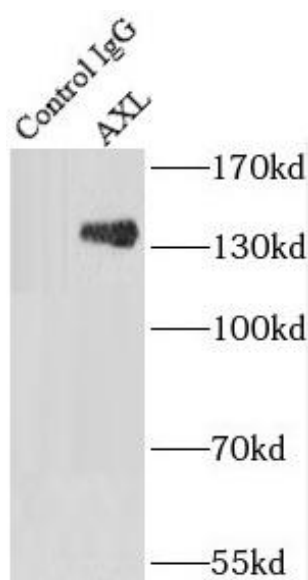
Application

Reactivity: Human, Mouse, Rat

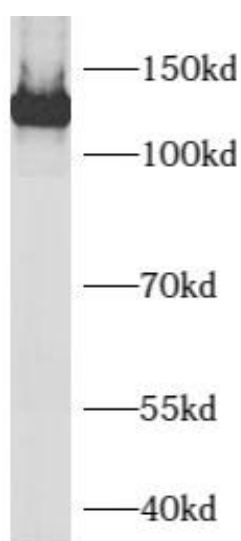
Tested Application: ELISA, WB, IP, FC

Recommended dilution: WB: 1:500-1:3000; IP: 1:500-1:2000

Image:



IP Result of anti-AXL (IP:FNab00754, 5ug;
Detection:FNab00754 1:1000) with HepG2 cells
lysate 9000ug.



HepG2 cells were subjected to SDS PAGE
followed by western blot with FNab00754(AXL
antibody) at dilution of 1:500