10320 Camino Santa Fe, Suite G San Diego, CA 92121 Tel: 858.875.1900 Fax: 858.875.1999



Anti-AXL / UFO Reference Antibody (enapotamab)

Recombinant Antibody Catalog # APR10076

Product Information

Application FC, Kinetics, Animal Model

98337

Primary Accession
Reactivity
Human
Clonality
Monoclonal
Isotype
IgG1

Additional Information

Target/Specificity AXL / UFO

Endotoxin

Calculated MW

Conjugation Unconjugated

Expression system CHO Cell

Format Purified monoclonal antibody supplied in PBS, pH6.0, without

preservative. This antibody is purified through a protein A column.

Protein Information

Name AXL

Synonyms UFO

Function 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. Also plays an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune

response.

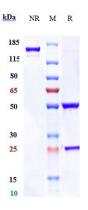
Cellular Location

Cell membrane; Single-pass type I membrane protein

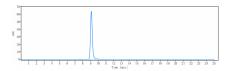
Tissue Location

Highly expressed in metastatic colon tumors. Expressed in primary colon tumors. Weakly expressed in normal colon tissue.

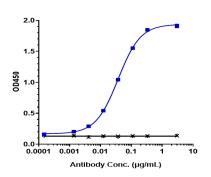
Images



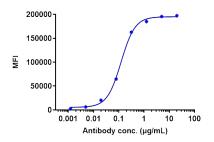
Anti-AXL / UFO Reference Antibody (enapotamab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-AXL / UFO Reference Antibody (enapotamab)is more than 99.48% ,determined by SEC-HPLC.



Immobilized human Axl FC at 2 $\,\mu g/mL$ can bind Anti-AXL / UFO Reference Antibody (enapotamab),EC50=0.03738 $\,\mu g/mL$



Human AXL HEK293 cells were stained with Anti-AXL / UFO Reference Antibody (enapotamab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC128=0.1233 μ g/mL

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.