



Axl Monoclonal Antibody

Catalog No	YP-Ab-12895
Isotype	IgG
Reactivity	Human
Applications	WB;IF;ELISA
Gene Name	AXL UFO
Immunogen	Purified recombinant extracellular fragment of human Axl fused with hlgGfc tag expressed in HEK293 cell line.
Specificity	Axl Monoclonal Antibody detects endogenous levels of Axl protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.7.10.1;Tyrosine-protein kinase receptor UFO;UFO;Axl;AXL UFO;AXL oncogene
Observed Band	130kD
Calculated Molecular Weight	130kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Highly expressed in metastatic colon tumors. Expressed in primary colon tumors. Weakly expressed in normal colon tissue.
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Has transforming potential in patients with chronic myeloproliferative disorder or chronic myelocytic leukemia.,function:May function as a signal transducer between specific cell types of mesodermal origin. In case of filovirus infection, seems to function as a cell entry factor.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. AXL/UFO subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 fibronectin type-III domains.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Heterodimer and heterotetramer with GAS6.,tissue specificity:Highly expressed in metastatic colon tumors. Expressed in primary colon tumors.



Weakly expressed in normal colon tissue.,

Background

The protein encoded by this gene is a member of the Tyro3-Axl-Mer (TAM) receptor tyrosine kinase subfamily. The encoded protein possesses an extracellular domain which is composed of two immunoglobulin-like motifs at the N-terminal, followed by two fibronectin type-III motifs. It transduces signals from the extracellular matrix into the cytoplasm by binding to the vitamin K-dependent protein growth arrest-specific 6 (Gas6). This gene may be involved in several cellular functions including growth, migration, aggregation and anti-inflammation in multiple cell types. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013],

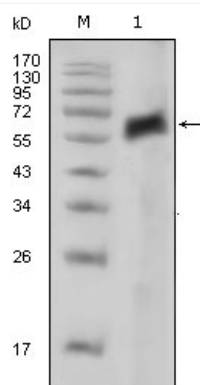
matters needing attention

Avoid repeated freezing and thawing!

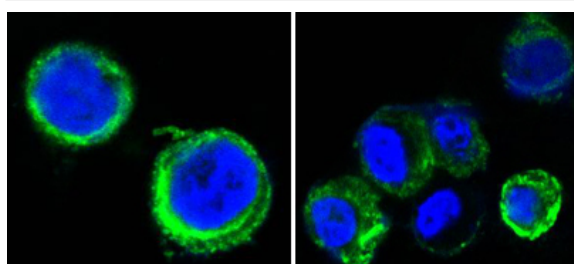
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using Axl Monoclonal Antibody against extracellular domain of human AXL (aa19-444).



Confocal immunofluorescence analysis of methanol-fixed HEK293 cells transfected with AXL-hlgGf using Axl Monoclonal Antibody (green), showing cytoplasmic and membrane localization. Blue: DRAQ5 fluorescent DNA dye.