

Axl Monoclonal Antibody

Catalog No: YM0054

Reactivity: Human

Applications: WB;ELISA

Target: Axl

Fields: >>EGFR tyrosine kinase inhibitor resistance

Gene Name: AXL UFO

Protein Name: Tyrosine-protein kinase receptor UFO

P30530

Q00993

Human Gene Id: 558

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: Purified recombinant fragment of AxI (aa466-530) expressed in E. Coli.

Specificity: Axl Monoclonal Antibody detects endogenous levels of Axl protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Monoclonal, Mouse

Dilution: WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

Purification: Affinity purification

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 130kD

P References: 1. Nature. 2005 Oct 20;437(7062):1173-8.

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- 2. Mol Cell Biol. 2005 Nov;25(21):9324-39.
- 3. Circ Res. 2007 Mar 2;100(4):502-9.

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],

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.,

Subcellular Location:

Cell membrane; Single-pass type I membrane protein.

Expression:

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

Tag:

hot

Sort:

2535

No4:

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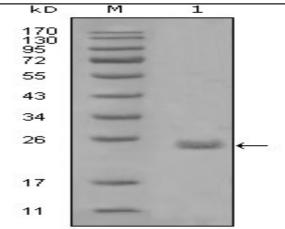
Host:

Mouse

Modifications:

Unmodified

Products Images



Western Blot analysis using Axl Monoclonal Antibody against truncated Trx-AXL recombinant protein (1).