

Axl (phospho Tyr691) Polyclonal Antibody

Catalog No :	YP0779
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Axl
Fields :	>>EGFR tyrosine kinase inhibitor resistance
Gene Name :	AXL UFO
Protein Name :	Tyrosine-protein kinase receptor UFO
Human Gene Id :	558
Human Swiss Prot No :	P30530
Mouse Gene Id :	26362
Mouse Swiss Prot No :	Q00993
Immunogen :	The antiserum was produced against synthesized peptide derived from human AXL around the phosphorylation site of Tyr691. AA range:657-706
Specificity :	Phospho-Axl (Y691) Polyclonal Antibody detects endogenous levels of Axl protein only when phosphorylated at Y691.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

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

Observed Band : 130kD

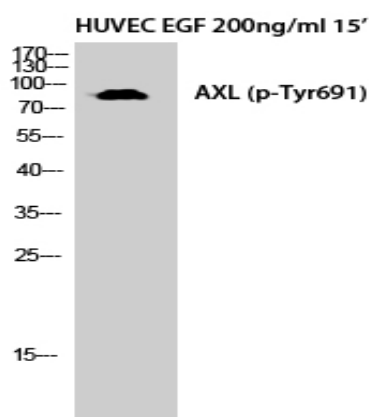
Background : The protein encoded by this gene is a member of the Tyro3-Axl-Mer (TAM) receptor tyrosine kinase subfamily. The encoded protein possesses an extracellular domain which is composed of two immunoglobulin-like motifs at the N-terminal, followed by two fibronectin type-III motifs. It transduces 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.,

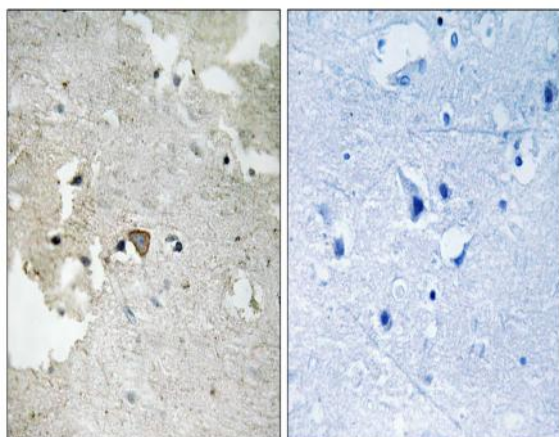
Subcellular Location : Cell membrane ; Single-pass type I membrane protein .

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

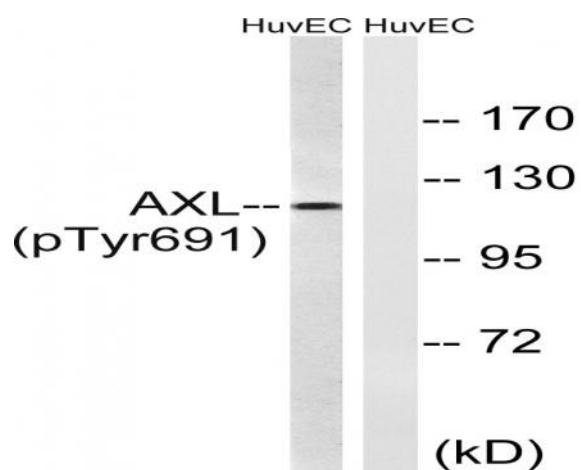
Products Images



Western Blot analysis of HuvEc cells using Phospho-Axl (Y691) Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human brain, using AXL (Phospho-Tyr691) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells treated with EGF 200ng/ml 15', using AXL (Phospho-Tyr691) Antibody. The lane on the right is blocked with the phospho peptide.