

# AXL Monoclonal antibody

Catalog Number: 68108-1-Ig

## Basic Information

**Catalog Number:**

68108-1-Ig

**Size:**

1000 ug/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG14401

**GenBank Accession Number:**

BC032229

**GeneID (NCBI):**

558

**UNIPROT ID:**

P30530

**Full Name:**

AXL receptor tyrosine kinase

**Calculated MW:**

894 aa, 98 kDa

**Observed MW:**

130-140 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

3D12F11

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : NCI-H1299 cells, A549 cells, U2OS cells, A431 cells, HeLa cells

## Background Information

Axl, also known as Ufo or Ark, is a receptor tyrosine kinase of the TAM (Tyro3, Axl and Mer) family. Axl is a single-pass type I membrane protein containing two fibronectin type-III domains, two Ig-like C2-type domains and one protein kinase domain. Axl mRNA is widely expressed with highest levels in the heart and skeletal muscle. Gas6 has been identified as a ligand for human Axl. Gas6/Axl signaling plays a role in cell survival, cell proliferation, migration and differentiation. It has been reported that 110-120 kDa non-glycosylated AXL protein can be detected (PMID: 31171001). Endogenous Axl is auto-phosphorylated and reacted with a tyrosine-phosphorylated protein of 140 kDa (PMID: 12730092).

## Storage

**Storage:**

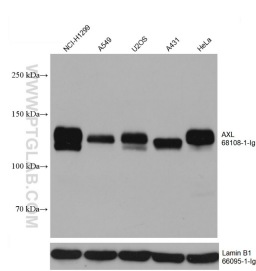
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68108-1-Ig (AXL antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Lamin B1 Monoclonal antibody (66095-1-Ig) as loading control.