

## Rabbit AXL/UFO Polyclonal Antibody | anti-AXL/UFO antibody

Rabbit anti AXL/UFO (Phospho) Polyclonal Antibody

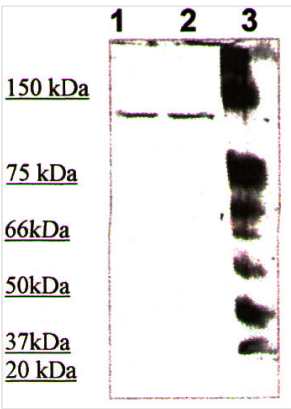
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                                     |
|-----------|--------|-------------------|--------------------------------------------------------------------------------------------------|
| AAA71347  | Rabbit | Human, Mouse, Rat | Western Blot, Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA |

### PRODUCT SYNONYMS

AXL/UFO; Polyclonal Antibody; Rabbit anti AXL/UFO (Phospho) Polyclonal Antibody; AXL receptor tyrosine kinase; UFO; anti-AXL/UFO antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                       |
| Reactivity                                        | Human, Mouse, Rat                                                                                                                                                                                                                            |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                   |
| Isotype                                           | IgG                                                                                                                                                                                                                                          |
| Specificity                                       | This antibody recognizes AXL (pY779) with a phosphorylated site at Tyrosine 779. It does not crossreact with non-phosphospecific peptide.                                                                                                    |
| Purity/Purification                               | Purified by site-modified Epitope Affinity Purification.                                                                                                                                                                                     |
| Form/Format                                       | Supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.                                                                                                                                                             |
| Applicable Applications for anti-AXL/UFO antibody | WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA                                                                                                                                    |
| Antigen Preparation                               | A synthetic peptide surrounding to the epitope -GL YAL- with a phosphorylation site at Tyr779 of human AXL protein . This sequence is identical among human, mouse, rat.                                                                     |
| Positive Control                                  | EGF stimulated HUVEC cell lysate                                                                                                                                                                                                             |
| Cellular Location                                 | Cytoplasmic                                                                                                                                                                                                                                  |
| Preparation and Storage                           | The antibodies are stable for 12 months from date of receipt when stored at -20 degree C. The antibodies can be stored at 2 degree C - 8 degree C for one month without detectable loss of activity. Avoid repeated freezing-thawing cycles. |



**WB (Western Blot)**  
Western Blot: The EGF stimulated HUVEC cell lysates were resolved onto 10% SDS-PAGE, transferred onto NC membrane, and followed by an immunoblotting with Rabbit anti AXL(Phosphospecific) (Cat# AAA71347) antibody (Lane 1 &2 ) at 1 :500.

ADDITIONAL INFORMATION

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| <b>Related Product Information for anti-AXL/UFO antibody</b> | <p>Background: AXL is a member of the Tyr03-Axl-Mer (TAM) receptor tyrosine kinase subfamily. It 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), 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. Plays also an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune response. In case of filovirus infection, seems to function as a cell entry factor. AXL/UFO may be involved in several cellular functions including growth, migration, aggregation and anti-inflammation in multiple cell types.</p> |
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NCBI AND UNIPROT INFORMATION

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|------------------|----------|
| NCBI GeneID      | 558      |
| Molecular Weight | ~110 kDa |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.