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Mouse Axl Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16023a

Specification

Mouse Axl Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q00993

Mouse Axl Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 26362

Other Names
Tyrosine-protein kinase receptor UFO, Adhesion-related kinase, Axl, Ark, Ufo

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Axl Antibody (N-term) Blocking Peptide - Protein Information

Name Axl

Synonyms Ark, Ufo

Function
Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding growth factor 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. Also plays an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune response.

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
In distinct substructures of a broad spectrum of developing tissues (in the late embryogenesis). In cells forming organ capsules as well as in connective tissue structures (in adult)

Mouse Axl Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

Mouse Axl Antibody (N-term) Blocking Peptide - Images

Mouse Axl Antibody (N-term) Blocking Peptide - Background

Axl may function as a signal transducer between specific cell types of mesodermal origin.