



# Anti-Axl polyclonal antibody [Biotin] (DPABY-634)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Antigen Description** Axl (Ufo, Ark), Dtk (Sky, Tyro3, Rse, Brt) and Mer (human and mouse orthologs of chicken c-Eyk) constitute the TAM receptor tyrosine kinase subfamily. This RTK subfamily is characterized by an extracellular domain that consists of two Ig-like motifs and two fibronectin type III motifs. These receptors bind the vitamin K-dependent protein Growth Arrest Specific Gene 6 (Gas6). Receptor activation leads to cell proliferation, migration, or the prevention of apoptosis. Cellular signaling through this family of RTKs is involved in hematopoiesis, embryonic development, tumorigenesis, and spermatogenesis.

**Specificity** Detects mouse Axl in direct ELISAs and Western blots. In sandwich ELISAs, less than 0.2% cross-reactivity with recombinant human Axl, recombinant mouse (rm) Dtk and rmMer is observed.

**Immunogen** Mouse myeloma cell line NS0-derived recombinant mouse Axl. Ala19-Trp445 Accession Number Q00993

**Isotype** IgG

**Source/Host** Goat

**Species Reactivity** Mouse

**Purification** Antigen Affinity-purified

**Conjugate** Biotin

**Applications** Western Blot, ELISA Detection (Matched Pair)

**Format** Liquid

**Size** 50 µg

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Axl AXL receptor tyrosine kinase [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	AXL
<b>Synonyms</b>	AXL; AXL receptor tyrosine kinase; Ark; Ufo; Tyro7; AI323647; tyrosine-protein kinase receptor UFO; ufo oncogene homolog; adhesion-related kinase;
<b>Entrez Gene ID</b>	<a href="#">26362</a>
<b>Protein Refseq</b>	<a href="#">NP_001177903</a>
<b>UniProt ID</b>	<a href="#">Q6PE80</a>
<b>Chromosome Location</b>	7 A3-B1; 7 14.02 cM
<b>Function</b>	ATP binding; kinase activity; myosin heavy chain binding; nucleotide binding; phosphatidylinositol 3-kinase binding; phosphatidylserine binding; protein heterodimerization activity; protein kinase activity; protein tyrosine kinase activity; transferase ac