AXL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Axl, Polyclonal Antibody
Full Product Name	Axl, CT (AXL Oncogene, AXL Receptor Tyrosine Kinase, AXL Transforming Gene, AXL Transforming Sequence/gene, Adhesion-related Kinase, Ark, Oncogene AXL, Tyrosine Protein Kinase Receptor, UFO, TYR07) (MaxLight 490)
Product Gene Name	anti-Axl antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human AXL.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	99kDa
Chromosome Location	Chromosome: 19; NC_000019.9 (41725108..41767671). Location: 19q13.1
OMIM	109135
3D Structure	ModBase 3D Structure for P30530
Immunogen	Synthetic peptide selected from the C-terminal region of human AXL (KLH).
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-Axl antibody	Antibodies; Receptors; Tyrosine Kinase
Applications Tested/Suitable for anti-Axl antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-Axl antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-Axl antibody	MBS6464591 is an antibody targeting Axl. Also known as Axl, CT (AXL Oncogene, AXL Receptor Tyrosine Kinase, AXL Transforming Gene, AXL Transforming Sequence/gene, Adhesion-related Kinase, Ark, Oncogene AXL, Tyrosine Protein Kinase Receptor, UFO, TYR07) (MaxLight 490). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-Axl antibody	1. Lee, S.T., et al., Oncogene 8(12):3403-3410 (1993). 2. Janssen, J.W., et al., Oncogene 6(11):2113-2120 (1991). 3. O'Bryan, J.P., et al., Mol. Cell. Biol. 11(10):5016-5031 (1991). 4. Partanen, J., et al., Proc. Natl. Acad. Sci. USA 87(22):8913-8917 (1990).

Other Notes	Small volumes of anti-Axl antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Axl. It may not necessarily be applicable to this product.

NCBI GI #	21536468
NCBI GeneID	558
NCBI Accession #	NP_001690.2
UniProt Primary Accession #	P30530
UniProt Secondary Accession #	Q8N5L2; Q9UD27
UniProt Related Accession #	P30530
GenBank Nucleotide #	NM_001699.4
NCBI Official Full Name	tyrosine-protein kinase receptor UFO isoform 2
NCBI Official Synonym Full Names	AXL receptor tyrosine kinase
NCBI Official Symbol	AXL
NCBI Official Synonym Symbols	UFO; JTK11
UniProt Protein Name	Tyrosine-protein kinase receptor UFO
UniProt Synonym Protein Names	AXL oncogene
Protein Family	Tyrosine-protein kinase receptor
UniProt Gene Name	AXL
UniProt Synonym Gene Names	UFO
UniProt Entry Name	UFO_HUMAN
NCBI Protein Information	tyrosine-protein kinase receptor UFO; AXL oncogene; oncogene AXL; AXL transforming sequence/gene
NCBI Summary for Axl	The protein encoded by this gene is a member of the receptor tyrosine kinase subfamily. Although it is similar to other receptor tyrosine kinases, this protein represents a unique structure of the extracellular region that juxtaposes IgL and FNIII repeats. It transduces signals from the extracellular matrix into the cytoplasm by binding growth factors like vitamin K-dependent protein growth-arrest-specific gene 6. It is involved in the stimulation of cell proliferation and can also mediate cell aggregation by homophilic binding. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

UniProt Comments for Axl	AXL: a receptor tyrosine kinase that may function as a signal transducer between specific cell types of mesodermal origin. Interacts with SKP1. Overexpression in tissue culture causes oncogenic transformation. Overexpressed in several cancers including thyroid, ovarian, gastric, ER+ breast cancer and acute myeloid leukemia, where it is associated with poor prognosis. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Kinase, protein; Protein kinase, tyrosine (receptor); EC 2.7.10.1; Oncoprotein; Protein kinase, TK; TK group; Axl family Chromosomal Location of Human Ortholog: 19q13.1 Cellular Component: extracellular space; cell surface; integral to plasma membrane; plasma membrane Molecular Function: protein binding; phosphatidylserine binding; protein heterodimerization activity; protein-tyrosine kinase activity; phosphoinositide 3-kinase binding; transmembrane receptor protein tyrosine kinase activity; ATP binding; myosin heavy chain binding Biological Process: forebrain cell migration; negative regulation of lymphocyte activation; platelet activation; organ regeneration; peptidyl-tyrosine phosphorylation; cell maturation; neuron migration; vagina development; negative regulation of tumor necrosis factor production; signal transduction; phagocytosis; positive regulation of natural killer cell differentiation; erythrocyte homeostasis; positive regulation of protein kinase B signaling cascade; ovulation cycle; natural killer cell differentiation; negative regulation of interferon-gamma production; protein kinase B signaling cascade; cellular response to extracellular stimulus; innate immune response; blood vessel remodeling; spermatogenesis; negative regulation of neuron apoptosis; positive regulation of cytokine and chemokine mediated signaling pathway; inflammatory response; vascular endothelial growth factor receptor signaling pathway; apoptotic cell clearance; secretion by cell
Research Articles on Axl	**1.** The Axl receptor shedding is an active process affected and influenced by the Gas6-mediated Axl-signaling in systemic lupus erythematosus and Behcets disease.
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