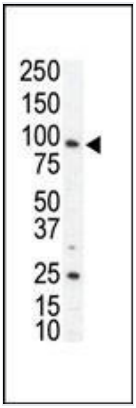
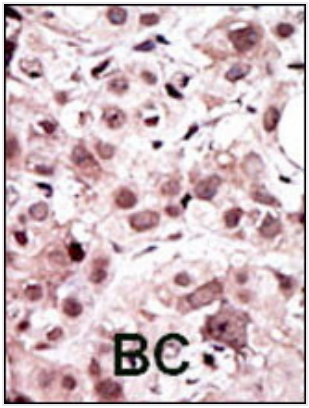
AXL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

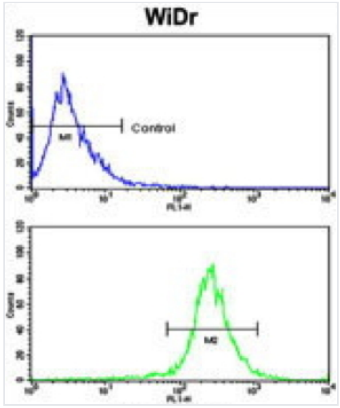
Product Name	AXL, Polyclonal Antibody
Full Product Name	AXL, NT (AXL, UFO, Tyrosine-protein kinase receptor UFO, AXL oncogene) (MaxLight 550)
Product Gene Name	anti-AXL antibody
Product Synonym Names	AXL; UFO; Tyrosine-protein kinase receptor UFO; AXL oncogene
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A/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: MaxLight550 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	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 13-44 in the N-terminal region of human AXL.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-AXL antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-AXL antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB), Flow Cytometry (FC/FACS), FLISA
Application Notes for anti-AXL antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-AXL antibody	MBS6277048 is an antibody targeting AXL. Also known as AXL, NT (AXL, UFO, Tyrosine-protein kinase receptor UFO, AXL oncogene) (MaxLight 550). 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. U.S.A. 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.



Western Blot (WB) of anti-AXL antibody
Western Blot analysis in SKBR3 cell lysate usingMBS647702. AXL (arrow) was detected usingMBS647702. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry (IHC) of anti-AXL antibody
Immunohistochemistry analysis in formalin-fixed and paraffin-embedded human cancer tissue usingMBS647702, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of MBS647702 for immunohistochemistry. BC = breast carcinoma; HC = hepatocarcinoma.



Flow Cytometry (FC/FACS) of anti-AXL antibody
Flow Cytometric analysis of WiDr cells using MBS647702 (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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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