

Mouse anti-Human Axl/UFO Monoclonal Antibody | anti-Axl/UFO antibody

Axl/UFO (Extracellular region) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71558	Mouse	Human	Immunoprecipitation, ELISA, Western Blot

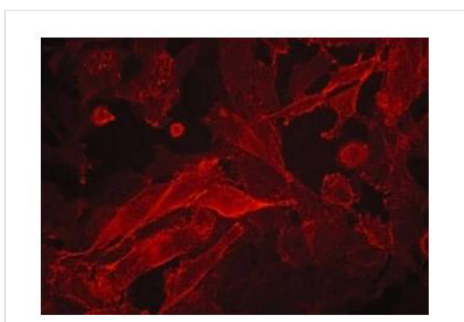
PRODUCT SYNONYMS

Axl/UFO; Monoclonal Antibody; Axl/UFO (Extracellular region) Antibody; anti-Axl/UFO antibody

PRODUCT SPECIFICATIONS

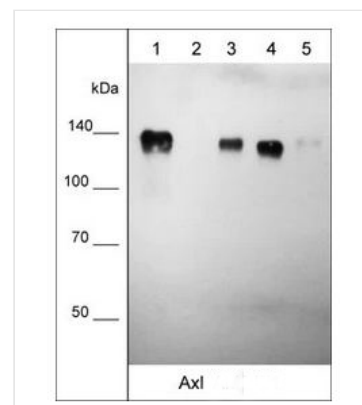
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M047
Specificity	Clone M047 mouse monoclonal antibody detects a 140kDa* protein on SDS-PAGE "Native" or denatured immunoblots of human A549, NCI-H1915, and MDA-MB-231 carcinomas. The antibody detects Axl in membranes and cytoplasm in MDA-MB-231 cell after immunocytochemical labeling. The antibody works for western blot, immunoprecipitation, immunocytochemistry, and ELISA capture.
Purity/Purification	Protein G chromatography
Form/Format	Mouse monoclonal antibody purified with protein G chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-Axl/UFO antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Clone (M047) was generated from a recombinant protein that included the extracellular region of human Axl protein.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of Axl in aldehyde fixed human MDAMB-231 breast carcinoma cells. The cells were labeled with mouse monoclonal anti-Axl (AM0471). The antibody was detected using goat anti-mouse DyLight 594.



WB (Western Blot)

Western blot of human MDA-MB-231 breast carcinoma (lane 1), PC-3 prostate adenocarcinoma (lane 2), A549 lung carcinoma (lane 3), NCI-H1915 lung carcinoma (lane 4), and A431 epidermoid carcinoma (lane 5). The blot was probed with mouse monoclonal anti-Axl (AM0471) at 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-Axl/UFO antibody	The Axl/UFO receptor tyrosine kinase (RTKs) family includes Axl/UFO/Tyro7, Sky/Tyro3, and c-Mer/Tyro12. These RTKs have a conserved intracellular tyrosine kinase domain and extracellular domains that include immunoglobulin-like and fibronectin-type moieties similar to those found in cell adhesion molecules. The ligand for these receptors is the vitamin Kdependent protein growth-arrest-specific 6 (Gas6), which is structurally related to the protein S anticoagulation factor. Upon binding to its receptor, Gas6 activates phosphatidylinositol 3- kinase (PI3K) and its downstream targets Akt and S6K, as well as NF-kappaB. Axl is overexpressed in several cancers, including breast, lung, liver, colon, gastric, ovarian, pancreatic, and glioblastoma. The Axl/Gas6 signalling pathway has been shown to drive cancer cell survival, proliferation, migration and invasion, and several therapeutic strategies are being developed to regulate Axl cell signaling.
References	Antony, J. & Huang, R.Y. (2017) Cancer Res. 77(14):3725. Zhu, C. et al. (2019) Mol Cancer. 18(1):153.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21536468
NCBI GeneID	558
NCBI Accession #	NP_001690.2
NCBI GenBank Nucleotide #	NM_001699.4
UniProt Accession #	P30530; Q8N5L2; Q9UD27
Molecular Weight	99kDa
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
NCBI Protein Information	tyrosine-protein kinase receptor UFO; AXL oncogene; oncogene AXL; AXL transforming sequence/gene
UniProt Protein Name	Tyrosine-protein kinase receptor UFO
UniProt Gene Name	AXL
UniProt Synonym Gene Names	UFO
UniProt Entry Name	UFO_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/axl-ufo-antibody-clone-m047-immunoprecipitation-western-blot-elisa/71558>