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Datasheet for ABIN756022

## anti-AXL antibody (AA 151-250)

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### Overview

Quantity:	100 µL
Target:	AXL
Binding Specificity:	AA 151-250
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AXL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AXL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	AXL
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## Target Details

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Alternative Name: [AXL \(AXL Products\)](#)

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Background: Synonyms: UFO, JTK11, Tyrosine-protein kinase receptor UFO, AXL oncogene, AXL  
Background: 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, ALX 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 TENC1. 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. Plays also an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune response. In case of filovirus infection, seems to function as a cell entry factor.

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Gene ID: 558

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UniProt: [P30530](#)

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Pathways: [RTK Signaling, Cellular Response to Molecule of Bacterial Origin](#)

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## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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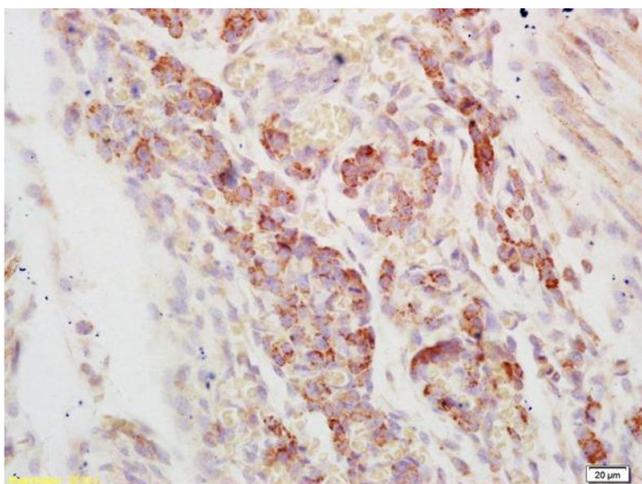
## Handling

Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

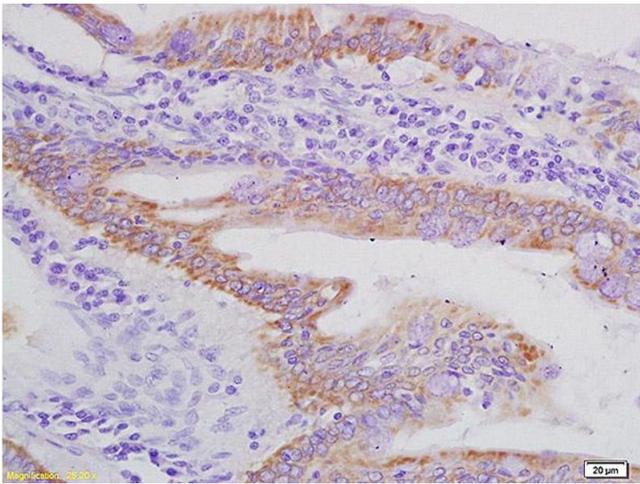
- Product cited in: Novoyatleva, Rai, Kojonazarov, Veeroju, Ben-Batalla, Caruso, Shihan, Presser, Götz, Lepper, Herpel, Manaud, Perros, Gall, Ghofrani, Weissmann, Grimminger, Wharton, Wilkins, Upton, Loges, Morrell et al.: "Deficiency of Axl aggravates pulmonary arterial hypertension via BMPR2. ..." in: **Communications biology**, Vol. 4, Issue 1, pp. 1002, (2021) ([PubMed](#)).
- Liu, Lu, Zhang, Zhu, Dong, Guo, Li, Nan, Yu, Zhong, Huang: "Amlexanox, a selective inhibitor of IKBKE, generates anti-tumoral effects by disrupting the Hippo pathway in human glioblastoma cell lines." in: **Cell death & disease**, Vol. 8, Issue 8, pp. e3022, (2018) ([PubMed](#)).

## Images



### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded mouse embryo labeled with Rabbit Anti AXL/UFO Polyclonal Antibody, Unconjugated (ABIN756022) at 1:200 followed by conjugation to the secondary antibody and DAB staining



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti AXL/UFO Polyclonal Antibody, Unconjugated (ABIN756022) at 1:200 followed by conjugation to the secondary antibody and DAB staining