

Product datasheet

Anti-Axl antibody [EPR19880] ab219651

Recombinant **RabMAb**

★★★★★ [1 Abreviews](#) [4 References](#) [7 Images](#)

Overview

Product name	Anti-Axl antibody [EPR19880]
Description	Rabbit monoclonal [EPR19880] to Axl
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa cell lysate; 293T transfected with a His-tagged human Axl construct whole cell lysate. IHC-P: Human breast and breast carcinoma, lung and lung carcinoma tissues.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19880
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab219651 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	1/4000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/10000. Predicted molecular weight: 98 kDa. Detection of endogenous expression of AXL in WB will need optimization. Under our experimental conditions we could not detect endogenous AXL in human cell and tissue lysates.

Target

Function

May function as a signal transducer between specific cell types of mesodermal origin. In case of filovirus infection, seems to function as a cell entry factor.

Tissue specificity

Highly expressed in metastatic colon tumors. Expressed in primary colon tumors. Weakly expressed in normal colon tissue.

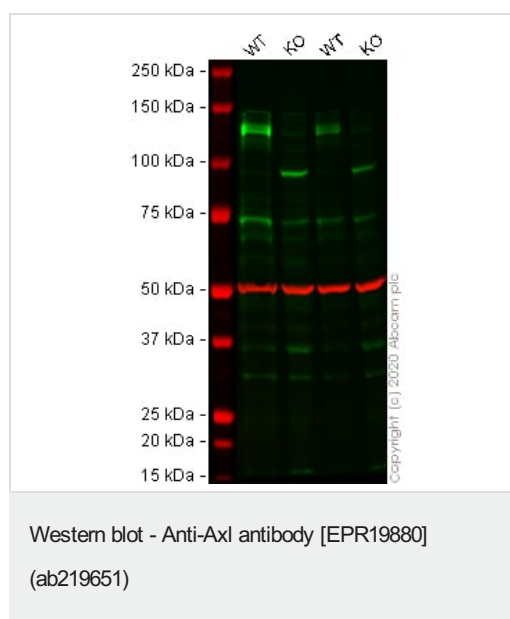
Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. AXL/UFO subfamily.
Contains 2 fibronectin type-III domains.
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 protein kinase domain.

Cellular localization

Membrane.

Images



All lanes : Anti-Axl antibody [EPR19880] (ab219651) at 1/10000 dilution

Lane 1 : Wild-type HeLa cell lysate at 40 µg

Lanes 2 & 4 : AXL knockout HeLa cell lysate at 20 µg

Lane 3 : Wild-type HeLa cell lysate at 20 µg

Performed under reducing conditions.

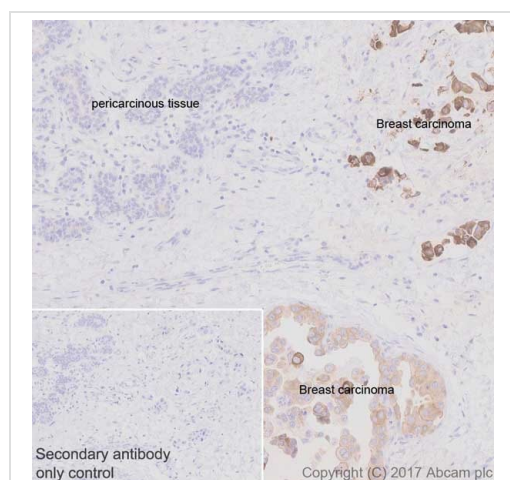
Predicted band size: 98 kDa

Observed band size: 135 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab219651

observed at 135 kDa. Red - loading control, **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) observed at 55kDa.

ab219651 was shown to react with Axl in western blot. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with ab219651 and **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) overnight at 4°C at a 1 in 10000 Dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



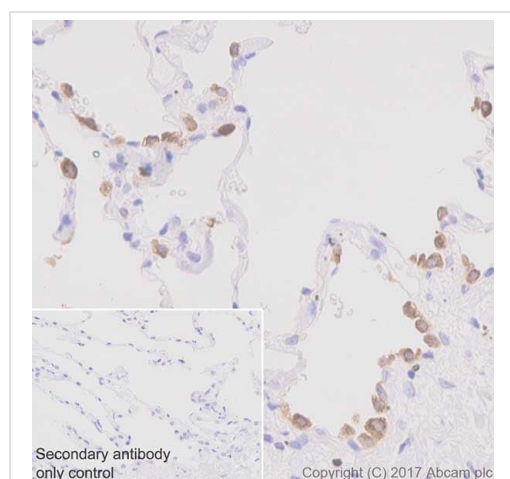
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axl antibody [EPR19880] (ab219651)

Immunohistochemical analysis of paraffin-embedded human breast and breast carcinoma tissue labeling Axl with ab219651 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on cancer cells of the human breast carcinoma, and the pericarcinous tissue was nearly negative (magnification x150) (PMID: 25337673).

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



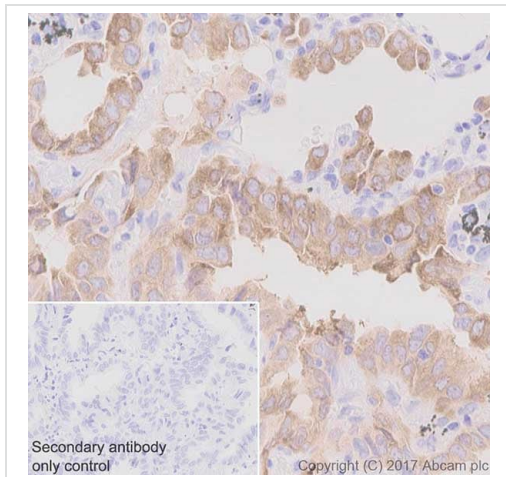
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axl antibody [EPR19880] (ab219651)

Immunohistochemical analysis of paraffin-embedded human lung tissue labeling Axl with ab219651 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Sporadic cytoplasmic staining on human lung.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



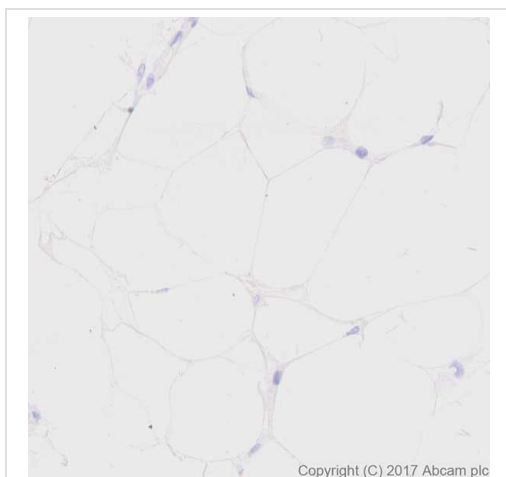
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axl antibody [EPR19880] (ab219651)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue labeling Axl with ab219651 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on cancer cells of human lung carcinoma (PMID: 25337673).

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



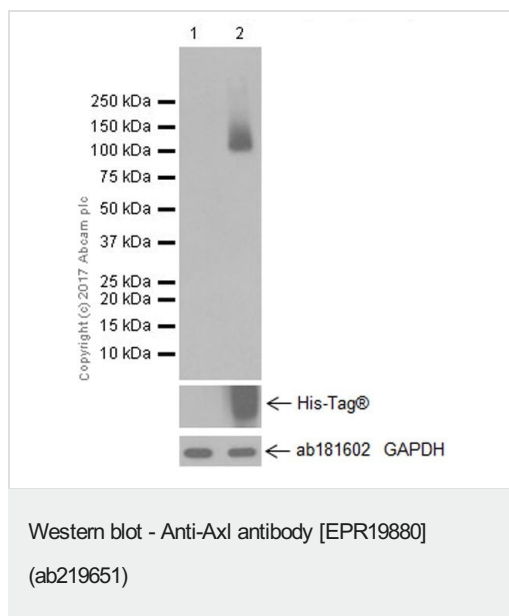
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axl antibody [EPR19880] (ab219651)

Immunohistochemical analysis of paraffin-embedded human adipose tissue labeling Axl with ab219651 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Negative control: No staining on human adipose tissues (PMID: 26573603).

Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



All lanes : Anti-Axl antibody [EPR19880] (ab219651) at 1/10000 dilution

Lane 1 : 293T (Human epithelial cell line from embryonic kidney) transfected with an empty expression vector, whole cell lysate

Lane 2 : 293T (Human epithelial cell line from embryonic kidney) transfected with a His-tagged human Axl construct whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase at 1/100000 dilution

Predicted band size: 98 kDa

Observed band size: 138 kDa

Exposure time: 5 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

Detection of endogenous expression of Axl in WB will need optimization. Under our experimental conditions we could not detect endogenous Axl in human cell and tissue lysates.

Why choose a recombinant antibody?

<p>Research with confidence Consistent and reproducible results</p>	<p>Long-term and scalable supply Recombinant technology</p>
<p>Success from the first experiment Confirmed specificity</p>	<p>Ethical standards compliant Animal-free production</p>

Anti-Axl antibody [EPR19880] (ab219651)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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