

## Axl (Phospho Tyr702) Rabbit pAb

CatalogNo: YP1270

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 130kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

WB 1:1000-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho peptide around human Axl (Tyr702)

**Specificity** This antibody detects endogenous levels of Human Axl (phospho-Tyr702). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):GDyYR

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## | Target Information

**Gene name** AXL UFO

**Protein Name** Axl (Tyr702)

Organism	Gene ID	UniProt ID
Human	<a href="#">558</a> ;	<a href="#">P30530</a> ;
Mouse	<a href="#">26362</a> ;	<a href="#">Q00993</a> ;

**Cellular Localization** Cell membrane ; Single-pass type I membrane protein .

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

**Function** Catalytic activity:ATP + a protein = ADP + a phosphoprotein. ,Caution:Although authors have considered STK6 and STK15 as two different proteins , it is clear that they are the same protein. ,Disease:Defects in AURKA are responsible for numerical centrosome aberrations including aneuploidy. ,Function:May play a role in cell cycle regulation during anaphase and/or telophase , in relation to the function of the centrosome/spindle pole region during chromosome segregation. May be involved in microtubule formation and/or stabilization. Phosphorylates ARHGEF2 and BORA. ,PTM:Phosphorylated upon DNA damage , probably by ATM or ATR. ,similarity:Belongs to the protein kinase superfamily. ,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Aurora subfamily. ,similarity:Contains 1 protein kinase domain. ,subcellular location:Localizes on centrosomes in interphase cells and at each spindle pole in mitosis. ,subunit:Interacts with TACC1 and CPEB1. Interacts with its substrates BORA and ARHGEF2. ,tissue specificity:Highly expressed in testis and weakly in skeletal muscle , thymus and spleen. Also highly expressed in colon , ovarian , prostate , neuroblastoma , breast and cervical cancer cell lines. Expression is cell-cycle regulated , low in G1/S , accumulates during G2/M , and decreases rapidly after. ,

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## | Validation Data

### | Contact information

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