

Datasheet for ABIN5510727

**DLL4 ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	DLL4
Binding Specificity:	AA 28-519
Reactivity:	Rat
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Rat DLL4
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: S28-E519
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

## Target Details

Target:	DLL4
Alternative Name:	DII4 ( <a href="#">DLL4 Products</a> )
Background:	Protein Function: Involved in the Notch signaling pathway as Notch ligand. Activates NOTCH1

## Target Details

and NOTCH4 (PubMed:25700513). Involved in angiogenesis, negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. Essential for retinal progenitor proliferation. Required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types. During spinal cord neurogenesis, inhibits V2a interneuron fate (By similarity). .

Background: Delta like ligand 4 is a protein that in humans is encoded by the DLL4 gene. It is mapped to 15q15.1. This gene is a homolog of the Drosophila delta gene. DLL4 is a transmembrane ligand for Notch receptors that shows restricted expression to endothelial cells (ECs), in particular to arteries and capillaries, and is involved in vascular development, and it also appeared to be a major trigger of Notch receptor activities previously implicated in arterial and vascular development. DLL4 acts as a negative regulator of tumor angiogenesis, its blockade results in the striking uncoupling of tumor growth from vessel density, presenting a novel therapeutic approach even for tumors resistant to anti-VEGF therapies. In addition to it, this gene also plays an important role in promoting Th17 effector activity during mycobacterial challenge.

Synonyms: Delta-like protein 4 ,Drosophila Delta homolog 4 ,Delta4 ,Dll4 ,

Full Gene Name: Delta-like protein 4

Cellular Localisation: Cell membrane, Single-pass type I membrane protein.

UniProt:	<a href="#">D3ZHH1</a>
----------	------------------------

Pathways:	<a href="#">Notch Signaling</a>
-----------	---------------------------------

## Application Details

Plate:	Pre-coated
--------	------------

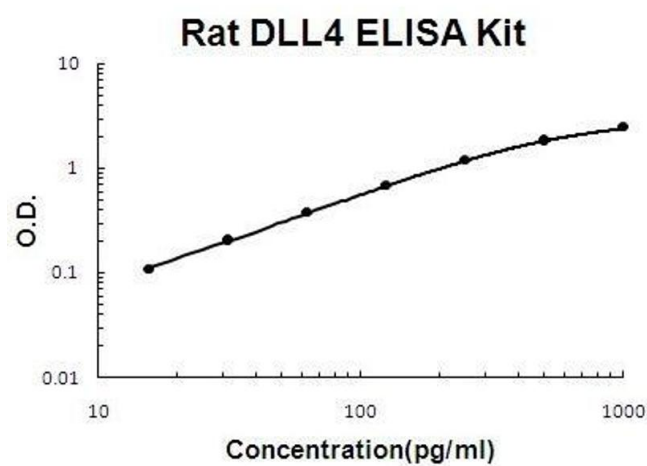
Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Storage:	4 °C,-20 °C
----------	-------------

Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
------------------	---

Expiry Date:	12 months
--------------	-----------



**ELISA**

**Image 1.** Rat DLL4 PicoKine ELISA Kit standard curve