

Datasheet for ABIN1724868

anti-PLAGL1 antibody (AA 118-222)**3** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	PLAGL1
Binding Specificity:	AA 118-222
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PLAGL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human PLAGL1 (AA: 118-222) expressed in E. coli.
Clone:	8F9D12
Isotype:	IgG2b
Purification:	purified

Target Details

Target:	PLAGL1
Alternative Name:	PLAGL1 (PLAGL1 Products)
Background:	Description: This gene encodes a C2H2 zinc finger protein with transactivation and DNA-binding activities. It has been shown to have anti-proliferative properties, and thus thought to

Target Details

function as a tumor suppressor. In addition, overexpression of this gene during fetal development is believed to underlie the rare disorder, transient neonatal diabetes mellitus (TNDM). This gene is imprinted, with preferential expression of the paternal allele in many tissues, however, biallelic expression has been noted in peripheral blood leucocytes. A recent study reports that tissue-specific imprinting results from variable utilization of monoallelic and biallelic promoters. Many transcript variants differing in the 5' UTR and encoding two different isoforms, have been found for this gene. ,

Aliases: ZAC, LOT1, ZAC1

Molecular Weight:	50.8 kDa
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Gene ID:	5325
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HGNC:	5325
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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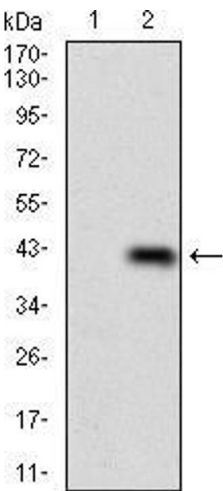
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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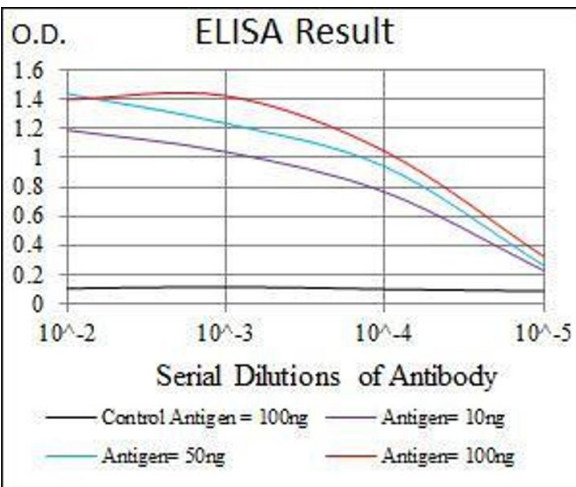
Publications

Product cited in:	Nayernia, Adham, Burkhardt-Göttges, Neesen, Rieche, Wolf, Sancken, Kleene, Engel: "Asthenozoospermia in mice with targeted deletion of the sperm mitochondrion-associated cysteine-rich protein (Smcp) gene." in: Molecular and cellular biology , Vol. 22, Issue 9, pp. 3046-52, (2002) (PubMed).
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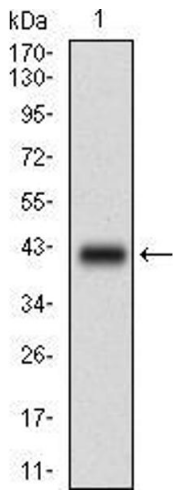
Western Blotting

Image 1. Western blot analysis using PLAGL1 mAb against HEK293 (1) and PLAGL1 (AA: 118-222)-hlgGFc transfected HEK293 (2) cell lysate.



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 3. Western blot analysis using PLAGL1 mAb against human PLAGL1 recombinant protein. (Expected MW is 37.5 kDa)