

# Human Serpin A12/Vaspin antibody

Catalog Number: AVA0721

## PRODUCT INFORMATION

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**Catalog number**

AVA0721

**Clone No.**

1C4

**Product type**

Monoclonal Antibody

**UnitProt No.**

Q8IW75

**NCBI Accession No.**

NM\_173850

**Alternative Names**

Visceral adipose tissue-derived serine protease inhibitor, SERPINA12, Serpin peptidase inhibitor clade A member 12, Serpin A12 precursor, Serine (or cysteine) proteinase inhibitor clade A (alpha-1 antiproteinase antitrypsin) member 12, OL-64, ENSG0000016595

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human Vaspin (21-414aa) purified from E. coli

**Isotype**

IgG1 kappa

**Purification Note**

By protein-G affinity chromatography

**Application**

ELISA, WB

**Usage**

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000 ~ 3,000. Recommended starting dilution is

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1:2,000.

## Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

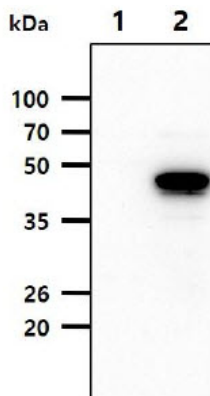
Vaspin (visceral adipose-specific SERPIN), a newly identified adipokine, which is a member of serine protease inhibitor family. Vaspin is also a unique insulin sensitizing adipocytokine in obesity. A recent publication indicates that induction of human vaspin mRNA expression in adipose tissue is regulated in a fat depot-specific manner and could be associated with parameters of obesity, insulin resistance, and glucose metabolism.

### General References

Hida K , et al., (2005) Natl Acad Sci 102(30):10610-5  
Kloting N, et al., (2006) Biochem 339(1):430-6

## DATA

### Western blot analysis (WB)



The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Vaspin antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: 293T cell lysate

Lane 2.: Vaspin transfected 293T cell lysate