

**RABBIT ANTI-HUMAN VASPIN  
POLYCLONAL ANTIBODY**

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<b>CATALOG NUMBER:</b>	AB10628	<b>QUANTITY:</b>	100 µg
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	1 mg/mL
<b>HOST:</b>	Rabbit		
<b>BACKGROUND:</b>	Visceral adipose tissue-derived serpin (vaspin) was identified as a member of serine protease inhibitor family, which was expressed in visceral adipose tissue of OLETF rats at the age when obesity and insulin plasma concentrations reach a peak. Vaspin expression was shown to decrease with worsening of diabetes and body weight loss, whereas vaspin serum levels could be normalized by insulin or pioglitazone treatment. Administration of vaspin to obese mice improved glucose tolerance, insulin sensitivity, and altered gene expression of candidate genes for insulin resistance. 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.		
<b>SPECIFICITY:</b>	Recognizes Vaspin in western blotting.		
<b>IMMUNOGEN:</b>	Recombinant human Vaspin expressed in E coli.		
<b>APPLICATIONS:</b>	<b>Western blot:</b> 1:2,000-1:5,000 using ECL. Reacted with the 48-kDa Vaspin His tagged protein. Suggested blocking and dilution buffer is PBST with 0.05% Tween 20 with 5% skim milk. Suggested incubation time is 1 hour at room temperature. <b>ELISA,</b> direct and indirect: 1:2,000-1:5,000.  <i>Optimal working dilutions must be determined by end user.</i>		
<b>SPECIES REACTIVITY:</b>	Human Vaspin recombinant protein.		
<b>FORMAT:</b>	Purified IgG		
<b>PRESENTATION:</b>	Liquid in PBS, pH7.4, Contains no preservatives.		
<b>STORAGE/HANDLING:</b>	Maintain at -20 °C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.		
<b>REFERENCES:</b>	K. Hida, et al., Proc. Natl. Acad. Sci. USA 102:10610–10615. 2005 N. Kloting, et al., Biochem Biophys Res Commun. 339:430-436. 2006		

*For research use only; not for use as a diagnostic.*

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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