



# BCSC-1 Polyclonal Antibody

<b>Catalog No</b>	BYab-00326
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	VWA5A
<b>Protein Name</b>	von Willebrand factor A domain-containing protein 5A
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human LHR2A. AA range:371-420
<b>Specificity</b>	BCSC-1 Polyclonal Antibody detects endogenous levels of BCSC-1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	VWA5A; BCSC1; LOH11CR2A; von Willebrand factor A domain-containing protein 5A; Breast cancer suppressor candidate 1; BCSC-1; Loss of heterozygosity 11 chromosomal region 2 gene A protein
<b>Observed Band</b>	86kD
<b>Cell Pathway</b>	nucleus,nucleoplasm,
<b>Tissue Specificity</b>	Expressed at low level in many tissues. Not expressed in 80% of tumor cell lines tested.
<b>Function</b>	
<b>Background</b>	VWA5A (von Willebrand factor A domain containing 5A), also known as BCSC-1 (breast cancer suppressor candidate 1) or LOH11CR2A (loss of heterozygosity 11 chromosomal region 2 gene A protein), is a 786 amino acid protein containing one VIT domain and one VWFA domain. VWA5A is expressed at low levels in various tissues, with no expression found in 80% of tumor cell lines. Likely acting as a tumor suppressor gene, deletion of VWA5A leads to loss of heterozygosity (LOH)

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in breast and ovarian tumors, and may have an important role as a potential gene therapy target. Abnormal expression of VWA5A may lead to an increase in adhesion of CNE-2L2 cells associated with an increase in expression of E-cadherin, alpha-catenin, and p53, resulting in a decrease of malignant activity in cells with ectopic expression of VWA5A. Existing as four alternatively spliced isoforms, the gene encoding VWA5A maps to human chromosome 11q24.2.

**matters needing attention**

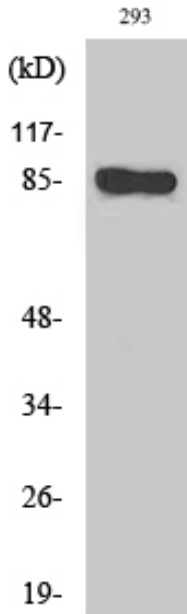
Avoid repeated freezing and thawing!

**Usage suggestions**

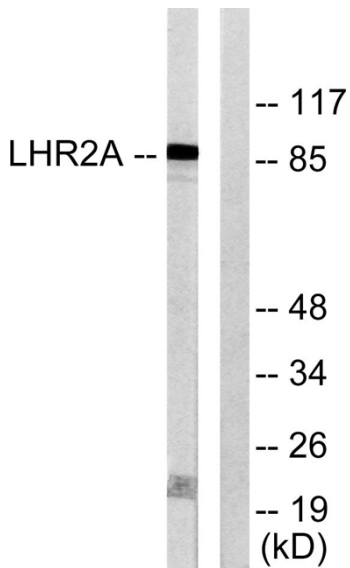
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western Blot analysis of various cells using BCSC-1 Polyclonal Antibody



Western blot analysis of lysates from 293 cells, using LHR2A Antibody. The lane on the right is blocked with the synthesized peptide.