

## WAVE2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP09571
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human WASF2. AA range:141-190
<b>Mol wt</b>	54284
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	WAVE2 Antibody
<b>Synonyms</b>	WASF2; WAVE2; Wiskott-Aldrich syndrome protein family member 2; WASP family protein member 2; Protein WAVE-2; Verprolin homology domain-containing protein 2

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

WASP (for Wiskott-Aldrich syndrome protein) and N-WASP are downstream effectors of Cdc42 that are implicated in actin polymerization and cytoskeletal organization. The WASP family also includes VASP (vasodilator-stimulated phosphoprotein) and Mena (for mammalian enabled protein), which accumulate at focal adhesions and are also involved in the regulation of the actin cytoskeleton. The WAVE proteins are related to the WASP family proteins and are likewise involved in mediating actin reorganization downstream of the Rho family of small GTPases. The two protein homologs WAVE1 and WAVE2 specifically regulate membrane ruffling by inducing the formation of actin filament clusters in response to GTP binding and activating Rac. The WAVE proteins mediate this actin polymerization by cooperating with the Arp2/3 complex, a nucleation core, and thereby promoting the formation of actin filaments. WAVE1, which is also designated SCAR (for suppressor of cAR), is expressed primarily in the brain, while WAVE2 is widely expressed with the expression highest in peripheral blood leukocytes. WAVE3 forms a multiprotein complex that links receptor kinases and actin. Binding to actin occurs through a C-terminal verprolin homology domain in all family members. The multiprotein complex serves to transduce signals that involve changes in cell shape, motility or function.

### Recommended Dilution

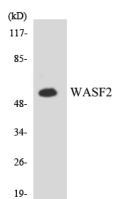
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

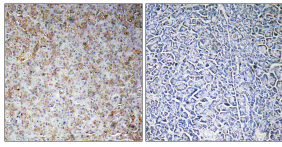
ELISA: 1: 5000

Not yet tested in other applications.

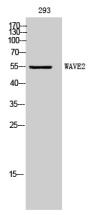
### Images



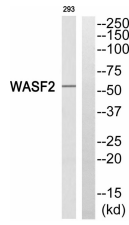
Western blot analysis of the lysates from K562 cells using WASF2 antibody.



Immunohistochemistry analysis of paraffin-embedded human pancreas, using WASF2 Antibody. The lane on the right is blocked with the WASF2 peptide.



Western Blot analysis of 293 cells using WAVE2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Western blot analysis of WASF2 Antibody. The lane on the right is blocked with the WASF2 peptide.

### Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)