

Anti-WASF2 Antibody (1E220)

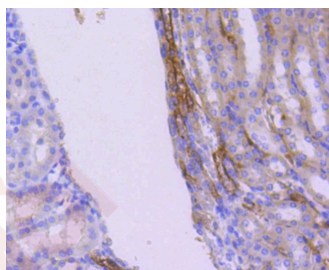
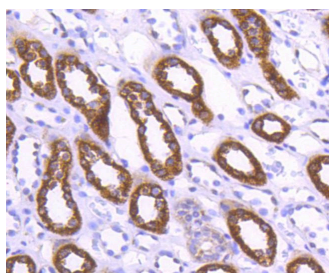
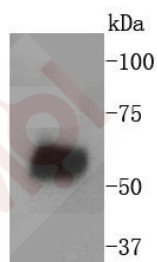
Product Details

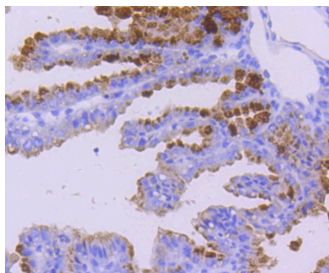
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 54 kDa.
Clone:	1E220
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of WASF2 on human placenta lysates using anti-WASF2 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-WASF2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-WASF2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using anti-WASF2 antibody. Counter stained with hematoxylin.





Application: IHC,WB

Recommended WB: 1:1000-5000; IHC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q9Y6W5

Synonyms: WASF4;SCAR 2;dj393P12.2;WASP-family protein member 2;WAVE2;WASF2_HUMAN;Protein WAVE-2;IMD2;SCAR;WASF 2;SCAR2;WASP family protein member 4;Putative Wiskott Aldrich syndrome protein family member 4;WASP family protein member 2;Wiskott-Aldrich syndrome protein family member 2;Wiskott-Aldrich syndrome protein family verprolin-homologous protein;WAVE 2;WASP family Verprolin homologous protein 2;DICTYOSTELIUM;Suppressor of cyclic-AMP receptor (WASP family);Verprolin homology domain-containing protein 2

Research 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 protein homologs WAVE1 and WAVE2 regulate membrane ruffling by inducing the formation of Actin filament clusters in response to GTP binding and by activating Rac. They mediate Actin polymerization by cooperating with the Arp2/3 complex, thereby promoting the formation of Actin filaments. WAVE1, which is also designated SCAR (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 with Actin and plays a role in the transduction of signals involving changes in cell shape, function or motility.

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