Data Sheet (Cat.No.TMAC-04275)

Anti-WASL Antibody (8M531)

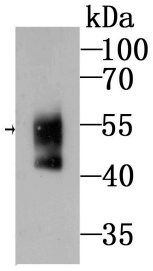
Product Details

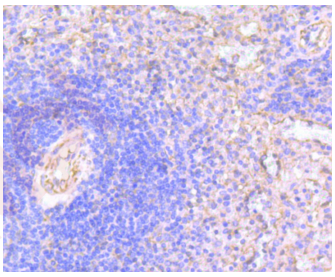
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 55 kDa.
Clone:	8M531
Purification:	ProA affinity purified

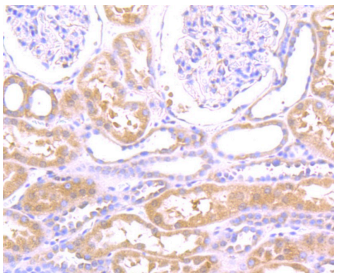
Applications

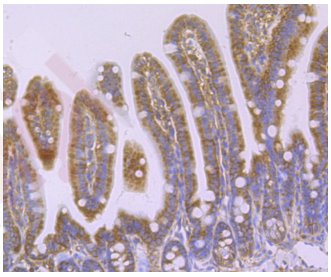
Verified Activity:

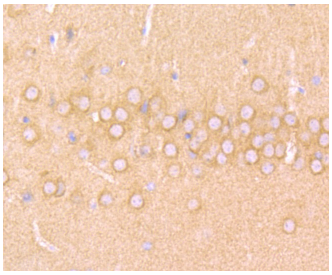
1. Western blot analysis of WASL on mouse Human serum lysates using anti-Ubiquitin antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-WASL antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-WASL antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-WASL antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-WASL antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-WASL antibody. Counter stained with hematoxylin.
7. ICC staining WASL in SK-Br-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining WASL in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. Flow cytometric analysis of K562 cells with WASL antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

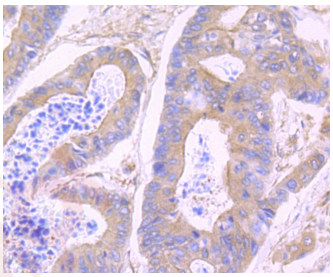


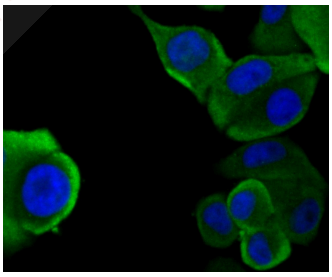


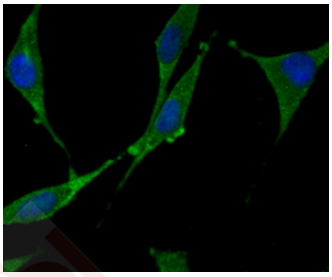


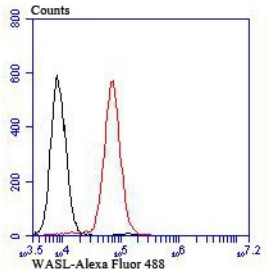












Application: FCM,ICC,IHC,WB

Recommended: WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

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: O00401

Synonyms: WASP family, verprolin homology domain-containing protein;FLJ31482;Verprolin homology domain containing protein 1;WASF1_HUMAN;Wiskott-Aldrich syndrome protein family member 1;Wiskott Aldrich syndrome protein family member 1;Protein WAVE-1v Protein WAVE1;WASP family 1;WAS protein family, member 1;homology of dictyostelium scar 1;WASL;Verprolin homology domain-containing protein 1;Similar to a plant extensin like protein;WASP family, verprolin homology domain-containing protein 1;WAVE;KIAA0269;WASP family member 1; WASP family protein member 1;WAVE1;SCAR1;Wasf1;scar, Dictyostelium, homology of, 1

Research Background

This gene encodes a member of the Wiskott-Aldrich syndrome (WAS) protein family. Wiskott-Aldrich syndrome proteins share similar domain structure, and associate with a variety of signaling molecules to alter the actin cytoskeleton. The encoded protein is highly expressed in neural tissues, and interacts with several proteins involved in cytoskeletal organization, including cell division control protein 42 (CDC42) and the actin-related protein-2/3 (ARP2/3) complex. The encoded protein may be involved in the formation of long actin microspikes, and in neurite extension. Regulates actin polymerization by stimulating the actin-nucleating activity of the Arp2/3 complex. Involved in mitosis and cytokinesis, via its role in the regulation of actin polymerization. Binds to HSF1/HSTF1 and forms a complex on heat shock promoter elements (HSE) that negatively regulates HSP90 expression..

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