



Mouse anti-Human Wiskott-Aldrich Syndrome Protein monoclonal antibody, clone 6B6 (CABT-B9361)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human WASP Recombinant Protein
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	6B6
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IP; FM; FC
Format	Liquid
Concentration	0.25 mg/ml
Size	100 μ g
Buffer	Aqueous buffered solution containing BSA, glycerol, and $\leq 0.09\%$ sodium azide.
Storage	Store undiluted at 4°C.

BACKGROUND

Introduction

Wiskott-Aldrich syndrome (WAS) is an X-linked recessive immunodeficiency disease caused by mutations in the gene encoding WAS protein (WASP). The disease is characterized by a spectrum of clinical signs, including thrombocytopenia, eczema, susceptibility to opportunistic and pyogenic infections, and B-cell lymphomas associated with Epstein-Barr virus. Furthermore, patients' blood cells display morphological abnormalities that can be associated with an impaired cytoskeleton. WASP is a member of a family of highly conserved proteins that link signaling pathways to the actin cytoskeleton. These members include WASP, N-WASP (neuronal), and SCAR/WAVE isoforms (Suppressor of cAMP Receptor/WASP family Verprolin-homologous protein) that share two main regions of homology: a proline-rich domain and a carboxyl terminal domain that binds to the Arp2/3 complex. The Arp2/3 complex initiates actin filament assembly in motile cells and formation of the immunological synapse between activated T lymphocytes and antigen-presenting cells. WASP is a central regulator of the actin cytoskeleton in hematopoietic cells that is itself regulated by multiple signaling pathways.

Keywords

WAS; Wiskott-Aldrich syndrome; THC; IMD2; SCNX; THC1; WASP; wiskott-Aldrich syndrome protein; eczema-thrombocytopenia; thrombocytopenia 1 (X-linked);

GENE INFORMATION

Entrez Gene ID

[7454](#)

UniProt ID

[A0A024QYX8](#)