Data Sheet (Cat.No.TMAB-14159)

Anti-WASP Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Cow,Rabbit)
Molecular Weight:	Theoretical: 53 kDa. Actual: 50-53 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Spleen (Mouse) Lysate at 40 μg Raji Cell (Human) Lysate at 30 μg Primary: Anti-WASP (TMAB-14159) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 50 kD 2. Sample: U937 (Human) Cell Lysate at 30 μg Primary: Anti-WASP (TMAB-14159) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 53 kD 3. Sample: JurkaT (Human) Cell Lysate at 30 μg Raji (Human) Cell Lysate at 30 μg Primary: Anti-WASP (TMAB-14159) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 53 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human WASP
Antigen Species:	Human
Gene ID:	7454
Uniprot ID:	P42768

Research Background

The Wiskott-Aldrich syndrome (WAS) is a disorder that results from a monogenic defect that has been mapped to the short arm of the X chromosome. WAS is characterized by thrombocytopenia, eczema, defects in cell-mediated and humoral immunity and a propensity for lymphoproliferative disease. The gene that is mutated in the syndrome encodes a proline-rich protein of unknown function designated WAS protein (WASP). A clue to WASP function came from the observation that T cells from affected males had an irregular cellular morphology and a disarrayed cytoskeleton suggesting the involvement of WASP in cytoskeletal organization. Close examination of the WASP sequence revealed a putative Cdc42/Rac interacting domain, homologous with those found in PAK65 and ACK. Subsequent investigation has shown WASP to be a true downstream effector of Cdc42.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481