

Anti-WAS Antibody [E10-4B]

EM1706-58



Product Type:	Mouse monoclonal IgG2a, primary antibodies
Species reactivity:	Human
Applications:	IHC-P, FC
Molecular Wt:	53 kDa
Clone number:	E10-4B

Description: 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.

Immunogen: Recombinant protein

Positive control: human ovarian cancer tissue, human colon cancer tissue, Hela.

Subcellular location: Cytoplasm, cytoskeleton

Database links: SwissProt: P42768 Human

Recommended Dilutions:

IHC-P	1:50-1:200
FC	1:50-1:100

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: 4°C; -20°C for long term storage.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn

Images

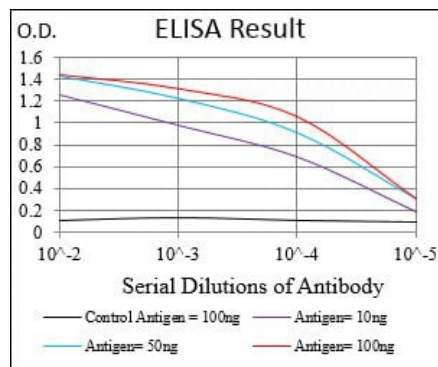


Fig1: Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

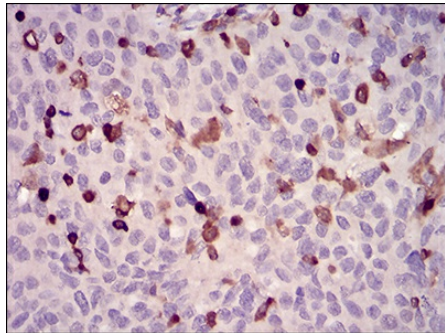


Fig2: Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using WAS mouse mAb with DAB staining.

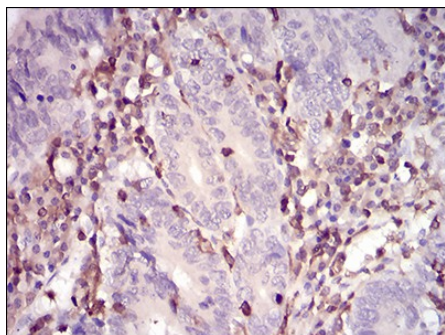


Fig3: Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using WAS mouse mAb with DAB staining.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Reicher B et al. Ubiquitylation-dependent negative regulation of WASp is essential for actin cytoskeleton dynamics. *Mol Cell Biol* 32(15):3153-63 (2012).
2. Blundell MP et al. The Wiskott-Aldrich syndrome: The actin cytoskeleton and immune cell function. *Dis Markers* 29(3-4):157-75 (2010).

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn