



Rabbit Anti-Mouse Afadin monoclonal antibody, clone B8M0I59 (CABT-L1478)

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

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with human, rat, chimpanzee, Rhesus monkey, canine, bovine and chicken based on sequence homology. Boiling samples prior to Western blot is not recommended.
Target	MLL
Immunogen	A peptide corresponding to amino acids 1805-1820 of Q9QZQ1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	B8M0I59
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	IHC-P, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

BACKGROUND

Introduction AF-6, also known as afadin, is expressed in a variety of cell types. At least 5 isoforms of this protein are produced by alternative splicing and the 'canonical' sequence is designated as I-afadin. Chromosomal aberration of the MLLT4 gene and tight junctions and Notch signaling pathways cross-communication. This happens through physical interaction with Ras, Notch and Dishevelled, a key Wingless effector. AF-6 also controls integrin-mediated cell adhesion. This is done at least partially by regulating Rap1 activation through recruitment of both SPA-1 and Rap1GTP. These results demonstrate that AF-6 is an important molecule mediating cell-cell adhesion but is also capable of modulating several key signaling pathways.

Keywords MLLT10;myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila);translocated to, 10;myeloid/lymphoid or mixed lineage leukemia (trithorax (Drosophila) homolog);translocated to, 10;protein AF-10;AF10;AF 10;AF10;AF10_HUMAN;ALL 1