



# 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

<b>Specificity</b>	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.
<b>Target</b>	MLL
<b>Immunogen</b>	A peptide corresponding to amino acids 1805-1820 of Q9QZQ1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	B8M0I59
<b>Purification</b>	Protein A Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, WB
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/ml
<b>Buffer</b>	PBS
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	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