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# AFF4 Antibody (monoclonal) (M01)

**Mouse monoclonal antibody raised against a partial recombinant AFF4.**
**Catalog # AT1065a**

## Specification

### AFF4 Antibody (monoclonal) (M01) - Product Information

| | |
|---|---|
| Application | **WB, IHC, E** |
| Primary Accession | Q9UHB7 |
| Other Accession | NM_014423 |
| Reactivity | **Human** |
| Host | **mouse** |
| Clonality | **Monoclonal** |
| Isotype | **IgG1 Kappa** |
| Calculated MW | **127459** |

### AFF4 Antibody (monoclonal) (M01) - Additional Information

**Gene ID** 27125

**Other Names**
AF4/FMR2 family member 4, ALL1-fused gene from chromosome 5q31 protein, Protein AF-5q31, Major CDK9 elongation factor-associated protein, AFF4, AF5Q31, MCEF

**Target/Specificity**
AFF4 (NP_055238, 1 a.a. ~ 108 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**
WB~~1:500~1000

**Format**
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**
AFF4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

### AFF4 Antibody (monoclonal) (M01) - Protocols

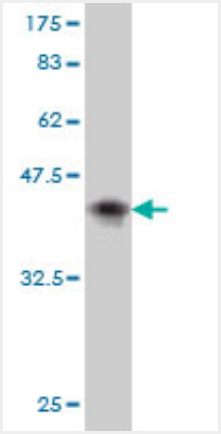
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

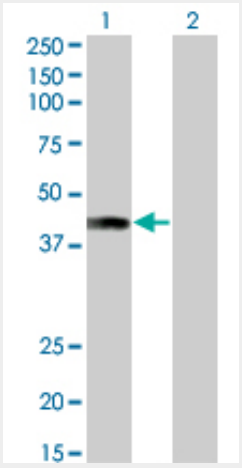
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**AFF4 Antibody (monoclonal) (M01) - Images**



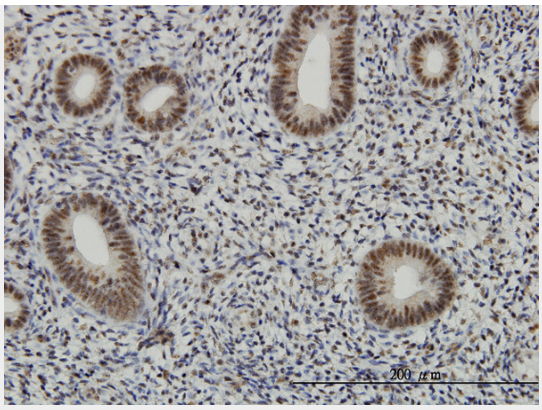

Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.62 KDa) .



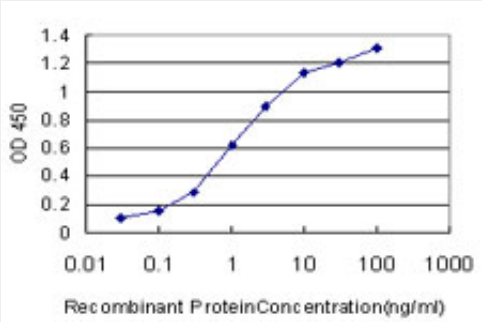

Western Blot analysis of AFF4 expression in transfected 293T cell line by AFF4 monoclonal antibody (M01), clone 2E12.

Lane 1: AFF4 transfected lysate( 40.2 KDa).
Lane 2: Non-transfected lysate.

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Immunoperoxidase of monoclonal antibody to AFF4 on formalin-fixed paraffin-embedded human endometrium. [antibody concentration 1 ug/ml]




Detection limit for recombinant GST tagged AFF4 is approximately 0.03ng/ml as a capture antibody.

**AFF4 Antibody (monoclonal) (M01) - References**

HIV-1 Tat and host AFF4 recruit two transcription elongation factors into a bifunctional complex for coordinated activation of HIV-1 transcription. He N, et al. Mol Cell, 2010 May 14. PMID 20471948.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.AFF4, a component of the ELL/P-TEFb elongation complex and a shared subunit of MLL chimeras, can link transcription elongation to leukemia. Lin C, et al. Mol Cell, 2010 Feb 12. PMID 20159561.Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID 17643375.MCEF is localized to the nucleus by protein sequences encoded within three distinct exons, where it represses HIV-1 Tat-transactivation of LTR-directed transcription. Niedzielski MF, et al. Int J Biol Sci, 2007 Mar 1. PMID 17389929.