

## DDX43 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant DDX43.

Catalog # AT1737a

### Product Information

---

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, IF, E                 |
| Primary Accession | <a href="#">Q9NXZ2</a>    |
| Other Accession   | <a href="#">NM_018665</a> |
| Reactivity        | Human                     |
| Host              | mouse                     |
| Clonality         | monoclonal                |
| Isotype           | IgG2a Kappa               |
| Clone Names       | 3G12                      |
| Calculated MW     | 72844                     |

### Additional Information

---

|                    |                                                                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 55510                                                                                                                                               |
| Other Names        | Probable ATP-dependent RNA helicase DDX43, Cancer/testis antigen 13, CT13, DEAD box protein 43, DEAD box protein HAGE, Helical antigen, DDX43, HAGE |
| Target/Specificity | DDX43 (NP_061135.1, 2 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                   |
| Dilution           | WB~~1:500~1000 IF~~1:50~200 E~~N/A                                                                                                                  |
| 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        | DDX43 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.                                 |

### Background

---

The protein encoded by this gene is an ATP-dependent RNA helicase in the DEAD-box family and displays tumor-specific expression.

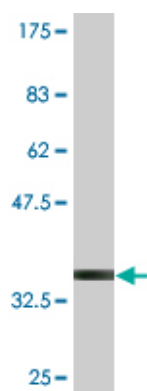
### References

---

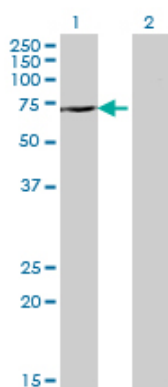
HAGE, a cancer/testis antigen expressed at the protein level in a variety of cancers. Mathieu MG, et al. Cancer Immun, 2010 Jan 11. PMID 20058853. HAGE, a cancer/testis antigen with potential for melanoma immunotherapy: identification of several MHC class I/II HAGE-derived immunogenic peptides. Mathieu MG, et al. Cancer Immunol Immunother, 2007 Dec. PMID 17487488. Epigenetic regulation of human cancer/testis

antigen gene, HAGE, in chronic myeloid leukemia. Roman-Gomez J, et al. Haematologica, 2007 Feb. PMID 17296563. The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

## Images

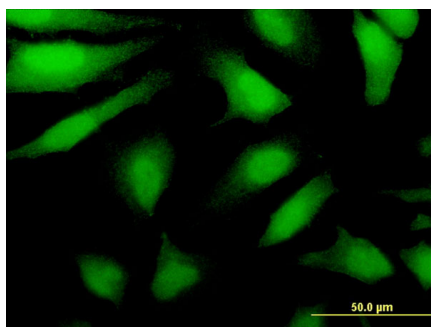


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .

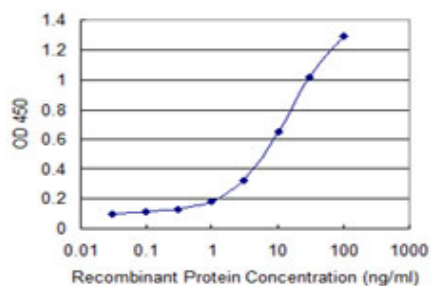


Western Blot analysis of DDX43 expression in transfected 293T cell line by DDX43 monoclonal antibody (M07), clone 3G12.

Lane 1: DDX43 transfected lysate (72.9 KDa).  
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to DDX43 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged DDX43 is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.