10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WBSCR1 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant WBSCR1.
Catalog # AT4528a

Specification

WBSCR1 Antibody (monoclonal) (M07) - Product Information

Application	**WB, E**
Primary Accession	Q15056
Other Accession	NM_031992
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**27385**

WBSCR1 Antibody (monoclonal) (M07) - Additional Information

Gene ID 7458

Other Names
Eukaryotic translation initiation factor 4H, eIF-4H, Williams-Beuren syndrome chromosomal region 1 protein, EIF4H, KIAA0038, WBSCR1, WSCR1

Target/Specificity
WBSCR1 (NP_114381.1, 1 a.a. ~ 100 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
WBSCR1 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

WBSCR1 Antibody (monoclonal) (M07) - Protocols

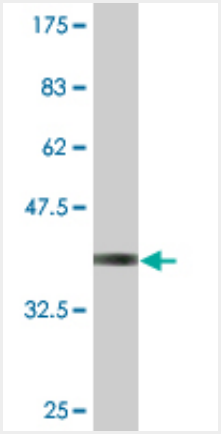
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

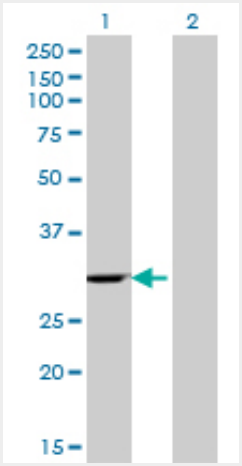
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

WBSCR1 Antibody (monoclonal) (M07) - Images



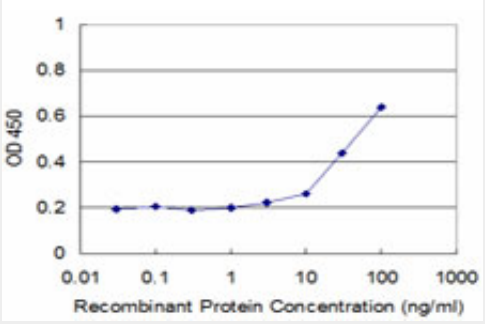
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of WBSCR1 expression in transfected 293T cell line by WBSCR1 monoclonal antibody (M07), clone 4B2.

Lane 1: WBSCR1 transfected lysate(27.4 KDa).
Lane 2: Non-transfected lysate.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Detection limit for recombinant GST tagged WBSCR1 is approximately 3ng/ml as a capture antibody.

WBSCR1 Antibody (monoclonal) (M07) - Background

This gene encodes one of the translation initiation factors, which functions to stimulate the initiation of protein synthesis at the level of mRNA utilization. This gene is deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. Alternative splicing of this gene generates 2 transcript variants.

WBSCR1 Antibody (monoclonal) (M07) - References

Genome-wide searching of rare genetic variants in WTCCC data. Feng T, et al. Hum Genet, 2010 Sep. PMID 20549515.Detecting rare variants for complex traits using family and unrelated data. Zhu X, et al. Genet Epidemiol, 2010 Feb. PMID 19847924.Uncoupling stress granule assembly and translation initiation inhibition. Mokas S, et al. Mol Biol Cell, 2009 Jun. PMID 19369421.Topology and regulation of the human eIF4A/4G/4H helicase complex in translation initiation. Marintchev A, et al. Cell, 2009 Feb 6. PMID 19203580.Interactions between eIF4AI and its accessory factors eIF4B and eIF4H. Rozovsky N, et al. RNA, 2008 Oct. PMID 18719248.