

WBSCR1 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant WBSCR1.

Catalog # AT4528a

Product Information

Application	WB, E
Primary Accession	Q15056
Other Accession	NM_031992
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4B2
Calculated MW	27385

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 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	WBSCR1 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

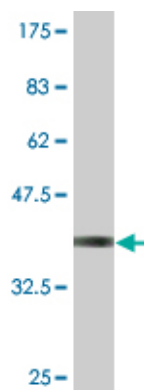
This gene encodes one of the translation initiation factors, which functions to stimulate the initiation of protein synthesis at the level of mRNA utilization. This gene is deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. Alternative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

References

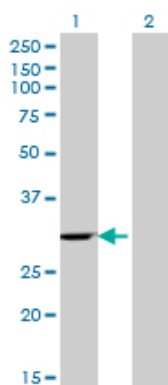
Genome-wide searching of rare genetic variants in WTCCC data. Feng T, et al. Hum Genet, 2010 Sep. PMID 20549515. Detecting rare variants for complex traits using family and unrelated data. Zhu X, et al. Genet

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.

Images

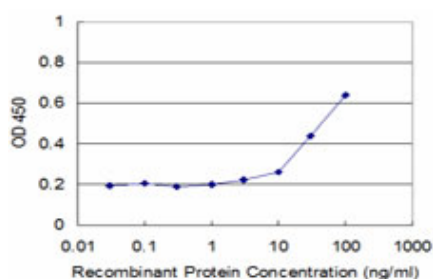


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



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.



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

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