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HCLS1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant HCLS1.
Catalog # AT2329a

Product Information

Application	WB, IHC, E
Primary Accession	P14317
Other Accession	BC016758
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1A8
Calculated MW	54014

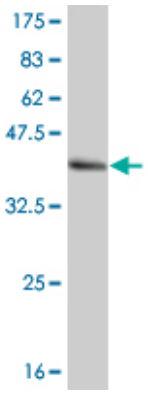
Additional Information

Gene ID	3059
Other Names	Hematopoietic lineage cell-specific protein, Hematopoietic cell-specific LYN substrate 1, LckBP1, p75, HCLS1, HS1
Target/Specificity	HCLS1 (AAH16758, 266 a.a. ~ 355 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 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	HCLS1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

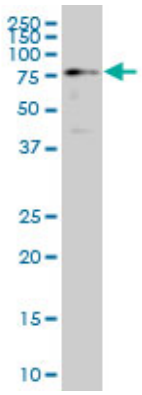
References

HS1 complexes with cytoskeleton adapters in normal and malignant chronic lymphocytic leukemia B cells. Muzio M, et al. Leukemia, 2007 Sep. PMID 17508001.A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. Lim J, et al. Cell, 2006 May 19. PMID 16713569.Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.The coiled-coil domain is required for HS1 to bind to F-actin and activate Arp2/3 complex. Hao JJ, et al. J Biol Chem, 2005 Nov 11. PMID 16157603.Quantitative phosphoproteome analysis using a dendrimer conjugation chemistry and tandem mass spectrometry. Tao WA, et al. Nat Methods, 2005 Aug. PMID 16094384.

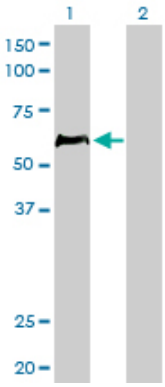
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.64 KDa) .

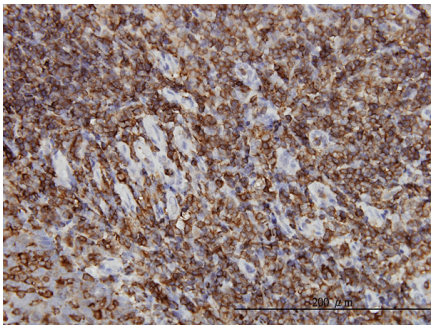


HCLS1 monoclonal antibody (M02), clone 1A8 Western Blot analysis of HCLS1 expression in K-562 ((Cat # AT2329a)



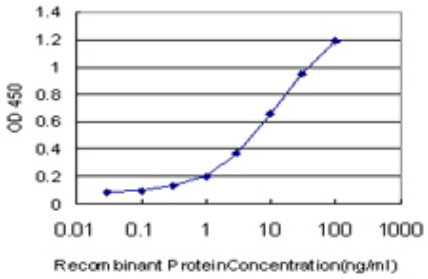
Western Blot analysis of HCLS1 expression in transfected 293T cell line by HCLS1 monoclonal antibody (M02), clone 1A8.

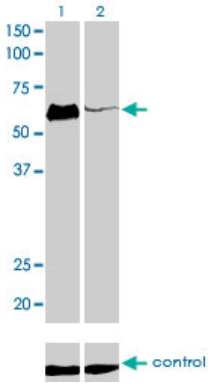
Lane 1: HCLS1 transfected lysate(54 KDa).
Lane 2: Non-transfected lysate.



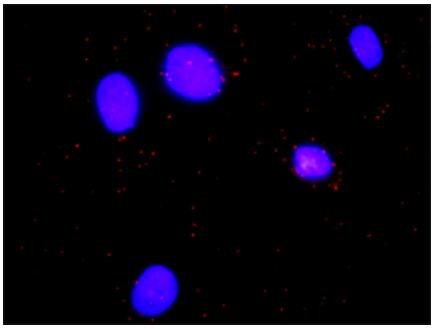
Immunoperoxidase of monoclonal antibody to HCLS1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

Detection limit for recombinant GST tagged HCLS1 is approximately 0.1ng/ml as a capture antibody.





Western blot analysis of HCLS1 over-expressed 293 cell line, cotransfected with HCLS1 Validated Chimera RNAi ((Cat # AT2329a)



Proximity Ligation Analysis of protein-protein interactions between CASP3 and HCLS1. HeLa cells were stained with anti-CASP3 rabbit purified polyclonal 1:1200 and anti-HCLS1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

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