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HSPC111 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant HSPC111.
Catalog # AT2451a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q9Y3C1
Other Accession	BC040106
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1G4
Calculated MW	21188

Additional Information

Gene ID	51491
Other Names	Nucleolar protein 16, HBV pre-S2 trans-regulated protein 3, NOP16
Target/Specificity	HSPC111 (AAH40106, 1 a.a. ~ 178 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 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	HSPC111 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

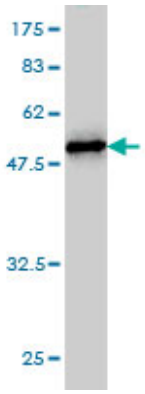
NOP16 is transcriptionally regulated by c-Myc (MYC; MIM 190080), upregulated in breast cancer, and overexpression is associated with poor patient survival (Butt et al., 2008).

References

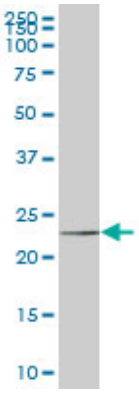
The estrogen and c-Myc target gene HSPC111 is over-expressed in breast cancer and associated with poor patient outcome. Butt AJ, et al. Breast Cancer Res, 2008. PMID 18373870.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Functional

proteomic analysis of human nucleolus. Scherl A, et al. Mol Biol Cell, 2002 Nov. PMID 12429849.Directed proteomic analysis of the human nucleolus. Andersen JS, et al. Curr Biol, 2002 Jan 8. PMID 11790298.

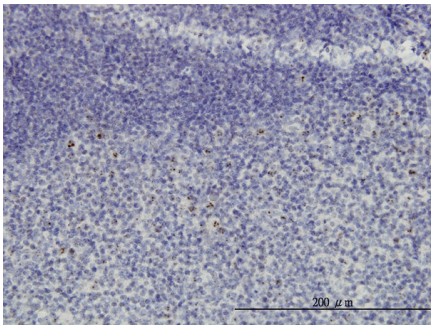
Images



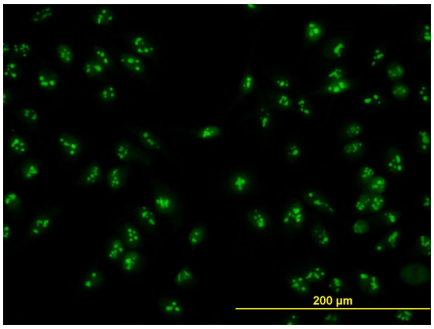
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (45.32 KDa) .



HSPC111 monoclonal antibody (M01), clone 1G4 Western Blot analysis of HSPC111 expression in K-562 ((Cat # AT2451a)

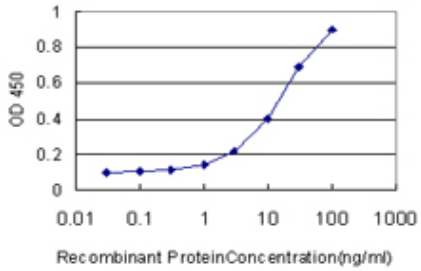


Immunoperoxidase of monoclonal antibody to HSPC111 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to HSPC111 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged HSPC111 is approximately 1ng/ml as a capture antibody.



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