

NUCB1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NUCB1.

Catalog # AT3124a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q02818
Other Accession	BC002356
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1H8-2C11
Calculated MW	53879

Additional Information

Gene ID	4924
Other Names	Nucleobindin-1, CALNUC, NUCB1, NUC
Target/Specificity	NUCB1 (AAH02356, 28 a.a. ~ 461 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	NUCB1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

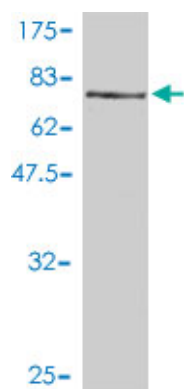
This gene encodes a member of a small calcium-binding EF-hand protein family. The encoded protein is thought to have a key role in Golgi calcium homeostasis and Ca(2+)-regulated signal transduction events.

References

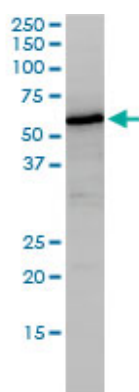
Calnuc: Emerging roles in calcium signaling and human diseases. Aradhyam GK, et al. IUBMB Life, 2010 Jun. PMID 20503436. A novel endoplasmic reticulum export signal: proline at the +2-position from the signal peptide cleavage site. Tsukumo Y, et al. J Biol Chem, 2009 Oct 2. PMID 19656946. Exploration of human ORFeome: high-throughput preparation of ORF clones and efficient characterization of their protein products. Nagase T, et al. DNA Res, 2008 Jun 30. PMID 18316326. Modulation of nucleobindin-1 and

nucleobindin-2 by caspases. Valencia CA, et al. FEBS Lett, 2008 Jan 23. PMID 18154733. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.

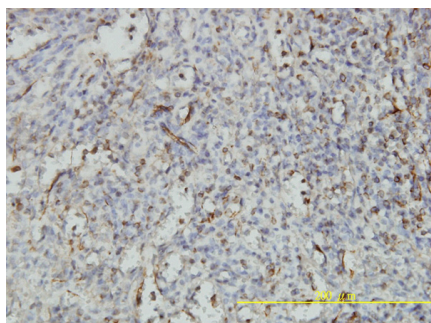
Images



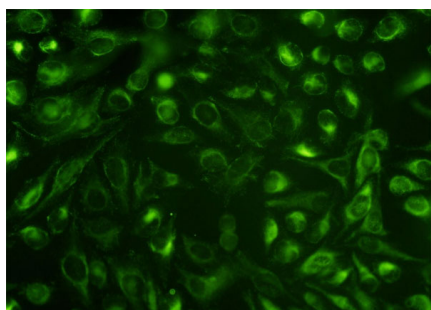
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (73.48 KDa) .



NUCB1 monoclonal antibody (M01), clone 1H8-2C11
Western Blot analysis of NUCB1 expression in HepG2 (Cat # AT3124a)

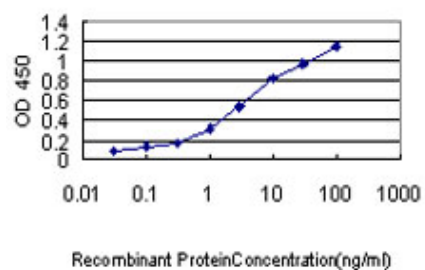


Immunoperoxidase of monoclonal antibody to NUCB1 on formalin-fixed paraffin-embedded human spleen tissue. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to NUCB1 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged NUCB1 is approximately 0.1 ng/ml as a capture antibody.



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