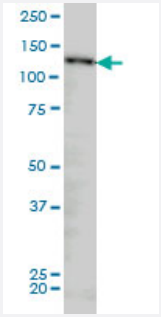
NUP133 monoclonal antibody (M01), clone 3E8

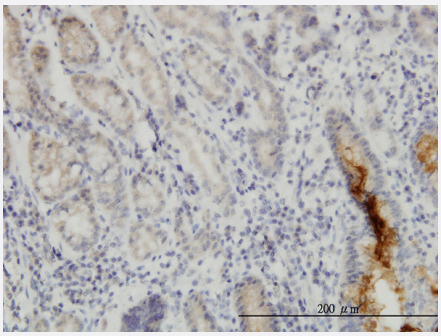
Catalog # H00055746-M01 Size 100 ug

Applications



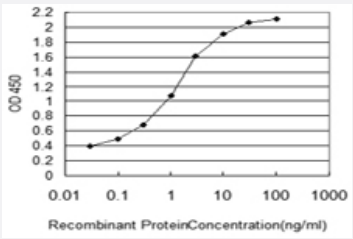
Western Blot (Cell lysate)

NUP133 monoclonal antibody (M01), clone 3E8 Western Blot analysis of NUP133 expression in HeLa (Cat # L013V1).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NUP133 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NUP133 is 0.03 ng/ml as a capture antibody.

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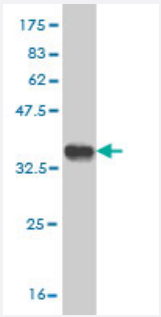

Western Blot detection against Immunogen (35.31 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NUP133.
Immunogen	NUP133 (NP_060700, 1069 a.a. ~ 1155 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LKLEILCKALQRDNWSSSDGKDDPIEVSKDSIFVKILQKLLKDGIQLSEYLPEVKDLLQADQLGSLKSNPYFEFVLKANYEYYVQGQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.31 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

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  Protocol Download

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Gene Info — NUP133

Entrez GeneID	55746
GeneBank Accession#	NM_018230
Protein Accession#	NP_060700
Gene Name	NUP133
Gene Alias	FLJ10814, MGC21133, hNUP133
Gene Description	nucleoporin 133kDa
Omim ID	607613
Gene Ontology	Hyperlink
Gene Summary	The nuclear envelope creates distinct nuclear and cytoplasmic compartments in eukaryotic cells. It consists of two concentric membranes perforated by nuclear pores, large protein complexes that form aqueous channels to regulate the flow of macromolecules between the nucleus and the cytoplasm. These complexes are composed of at least 100 different polypeptide subunits, many of which belong to the nucleoporin family. The nucleoporin protein encoded by this gene displays evolutionarily conserved interactions with other nucleoporins. This protein, which localizes to both sides of the nuclear pore complex at interphase, remains associated with the complex during mitosis and is targeted at early stages to the reforming nuclear envelope. This protein also localizes to kinetochores of mitotic cells. [provided by RefSeq
Other Designations	OTTHUMP00000037467|OTTHUMP00000061095

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Publication Reference

- Biallelic Mutations in Nuclear Pore Complex Subunit NUP107 Cause Early-Childhood-Onset Steroid-Resistant Nephrotic Syndrome.

  Miyake N, Tsukaguchi H, Koshimizu E, Shono A, Matsunaga S, Shiina M, Mimura Y, Imamura S, Hirose T, Okudela K, Nozu K, Akioka Y, Hattori M, Yoshikawa N, Kitamura A, Cheong HI, Kagami S, Yamashita M, Fujita A, Miyatake S, Tsurusaki Y, Nakashima M, Saitsu H, Ohashi K, Imamoto N, Ryo A, Ogata K, Iijima K, Matsumoto N.

  American Journal of Human Genetics 2015 Oct; 97(4):556.

  Application: WB, Human, HeLa cells

- Nuclear distributions of NUP62 and NUP214 suggest architectural diversity and spatial patterning among nuclear pore complexes.

  Kinoshita Y, Kalir T, Dottino P, Kohtz DS.

  PLoS One 2012 Apr; 7(4):e36137.

  Application: IF, Human, TOV112D cells

- Alterations in Nuclear Pore Architecture Allow Cancer Cell Entry into or Exit from Drug-Resistant Dormancy.

  Kinoshita Y, Kalir T, Rahaman J, Dottino P, Stave Kohtz D.

  The American Journal of Pathology 2012 Jan; 180(1):375.

  Application: IF, WB-Tr, Human, TOV112D cells

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- HIV Infections

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