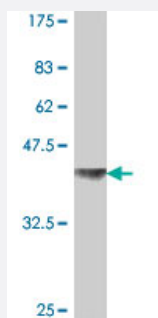


NUP214 polyclonal antibody (A01)

Catalog # H00008021-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (36.78 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant NUP214.
Immunogen	NUP214 (NP_005076, 1 a.a. ~ 97 a.a) partial recombinant protein with GST tag.
Sequence	MGDEMDAMIPEREMKDFQFRALKKVRIFDSPEELPKERSLLAVSNKYGLVFAGGASGLQIFPTK NLLIQNKPGDDPNKIVDKVQGLLVPMKFPIHH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (87)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.78 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — NUP214

Entrez GeneID [8021](#)

GeneBank Accession# [NM_005085](#)

Protein Accession# [NP_005076](#)

Gene Name NUP214

Gene Alias CAIN, CAN, D9S46E, MGC104525, N214

Gene Description nucleoporin 214kDa

Omim ID [114350 601626](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. This gene is a member of the FG-repeat-containing nucleoporins. The protein encoded by this gene is localized to the cytoplasmic face of the nuclear pore complex where it is required for proper cell cycle progression and nucleocytoplasmic transport. The 3' portion of this gene forms a fusion gene with the DEK gene on chromosome 6 in a t(6,9) translocation associated with acute myeloid leukemia and myelodysplastic syndrome. [provided by RefSeq]

Other Designations

CAN protein, putative oncogene|OTTHUMP00000064563|nuclear pore complex protein Nup214|nucleoporin 214kD (CAIN)|p250

Publication Reference

- [Oxidative Stress Inhibits Nuclear Protein Export by Multiple Mechanisms That Target FG Nucleoporins and Crm1.](#)

Crampton N, Kodiha M, Shrivastava S, Umar R, Stochaj U.

Molecular Biology of the Cell 2009 Dec; 20(24):5106.

Application: IF, IP-WB, Human, HeLa cells

- [The N-terminal domain of the mammalian nucleoporin p62 interacts with other nucleoporins of the FXFG family during interphase.](#)

Stochaj U, Banski P, Kodiha M, Matusiewicz N.

Experimental Cell Research 2006 Apr; 312(13):2490.

Application: WB, Human, HeLa cells

Disease

- [Tobacco Use Disorder](#)