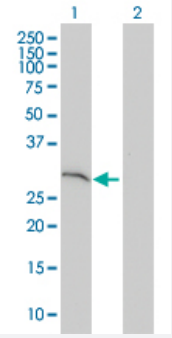
SNAP29 monoclonal antibody (M01), clone 3E4-E6

Catalog # H00009342-M01 Size 100 ug

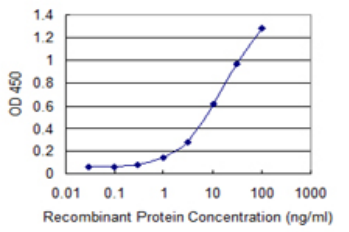
Applications



Western Blot (Transfected lysate)

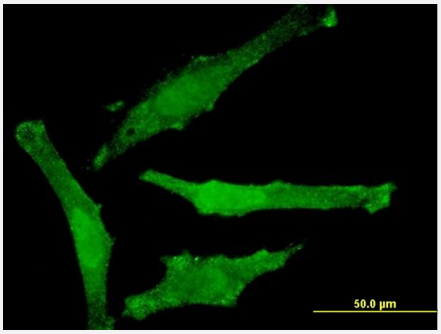
Western Blot analysis of SNAP29 expression in transfected 293T cell line by SNAP29 monoclonal antibody (M01), clone 3E4-E6.

Lane 1: SNAP29 transfected lysate(28.38 KDa).
Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SNAP29 is 0.1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to SNAP29 on HeLa cell . [antibody concentration 10 ug/ml]

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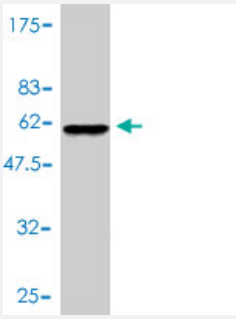

Western Blot detection against Immunogen (54.12 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant SNAP29.
Immunogen	SNAP29 (AAH09715, 1 a.a. ~ 258 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSAYPKSYNPFDDDGEDEGARPAPWRDARDLPDGPDAPADRQQYLRQEVLRRAEATAASTSR SLALMYESEKVGVASSEELARQRGVLERTEKMVDKMDQDLKISQKHINSIKSVFGGLVNYFKSKP VETPPEQNGTLTSQPNNRLKEAISTSKEQEAKYQASHPNLRKLDDTDPVPRGAGSAMSTDAYPK NPHLRAYHQKIDSNLDELSMGLGRLKDIALGMQTEIEEQDDILDRLTTKVDKLDVNIKSTERKVRQL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (83)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.12 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

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- Western Blot (Transfected lysate)

  Western Blot analysis of SNAP29 expression in transfected 293T cell line by SNAP29 monoclonal antibody (M01), clone 3E4-E6.

  Lane 1: SNAP29 transfected lysate(28.38 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged SNAP29 is 0.1 ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to SNAP29 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — SNAP29

Entrez GeneID	9342
GeneBank Accession#	BC009715
Protein Accession#	AAH09715
Gene Name	SNAP29
Gene Alias	CEDNIK, FLJ21051, SNAP-29
Gene Description	synaptosomal-associated protein, 29kDa
Omim ID	604202 609528
Gene Ontology	Hyperlink

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Gene Summary	This gene, a member of the SNAP25 gene family, encodes a protein involved in multiple membrane trafficking steps. Two other members of this gene family, SNAP23 and SNAP25, encode proteins that bind a syntaxin protein and mediate synaptic vesicle membrane docking and fusion to the plasma membrane. The protein encoded by this gene binds tightly to multiple syntaxins and is localized to intracellular membrane structures rather than to the plasma membrane. While the protein is mostly membrane-bound, a significant fraction of it is found free in the cytoplasm. Use of multiple polyadenylation sites has been noted for this gene. [provided by RefSeq
Other Designations	soluble 29 kDa NSF attachment protein|synaptosomal-associated protein 29|vesicle-membrane fusion protein SNAP-29

Publication Reference

- SNARE protein expression and localization in human cytotoxic T lymphocytes.

  Pattu V, Qu B, Schwarz EC, Straubeta B, Weins L, Bhat SS, Halimani M, Marshall M, Rettig J, Hoth M.

  European Journal of Immunology 2012 Feb; 42(2):470.

  Application: IF, Human, Raji cells, CTLs

Pathway

- SNARE interactions in vesicular transport

Disease

- Bipolar Disorder
- Genetic Predisposition to Disease
- Mental Disorders
- Schizophrenia
- Urogenital Abnormalities

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