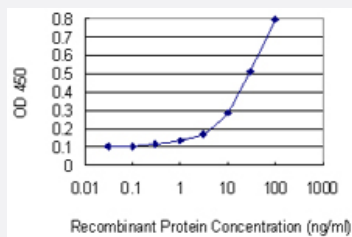


GEMIN4 monoclonal antibody (M01), clone 3E1

Catalog # H00050628-M01

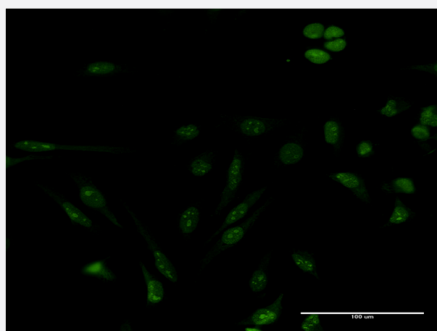
Size 100 ug

Applications



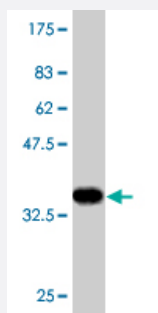
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GEMIN4 is 1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to GEMIN4 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant GEMIN4.

Immunogen	GEMIN4 (NP_056536, 959 a.a. ~ 1057 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AAGPWVQGPEQDLTQEALFVYTQVFCHALHIMAMLHPEVCEPLYVLALETLCYETLSKTNPSVS SLLQRAHEQRFLKSIAEGIGPEERRQTLLQKMSS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (81)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GEMIN4 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to GEMIN4 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — GEMIN4

Entrez GeneID [50628](#)

GeneBank Accession# [NM_015721](#)

Protein Accession#	NP_056536
Gene Name	GEMIN4
Gene Alias	DKFZp434B131, DKFZp434D174, HC56, HCAP1, HHRF-1, p97
Gene Description	gem (nuclear organelle) associated protein 4
Omim ID	606969
Gene Ontology	Hyperlink
Gene Summary	The product of this gene is part of a large complex localized to the cytoplasm, nucleoli, and to discrete nuclear bodies called Gemini bodies (gems). The complex functions in spliceosomal snRNP assembly in the cytoplasm, and regenerates spliceosomes required for pre-mRNA splicing in the nucleus. The encoded protein directly interacts with a DEAD box protein and several spliceosome core proteins. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	HCC-associated protein 1 component of gems 4 gemin 4

Publication Reference

- [Gemin4 is an essential gene in mice, and its overexpression in human cells causes relocalization of the SMN complex to the nucleoplasm.](#)

Meier ID, Walker MP, Matera AG.

Biology Open 2018 Feb; 7(2):bio032409.

Application: IF, Human, HeLa cells

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)

- [Mouth Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Precancerous Conditions](#)