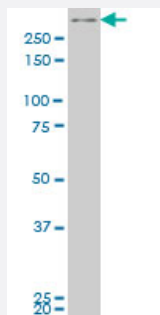


SMG1 monoclonal antibody (M04), clone 2B10

Catalog # H00023049-M04

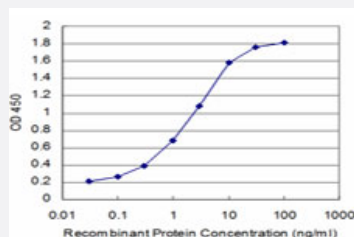
Size 100 ug

Applications



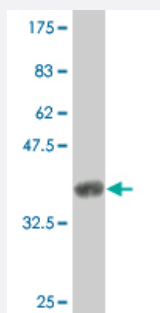
Western Blot (Cell lysate)

SMG1 monoclonal antibody (M04), clone 2B10 Western Blot analysis of SMG1 expression in HeLa S3 NE (Cat # L013V3).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMG1 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 kDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SMG1.

Immunogen	SMG1 (NP_055535, 2922 a.a. ~ 3031 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PDVMSQNARKLIQKNLATSADTPPSTVPGTGKSVACSPKKAVRDPKTGKAVQERN SYAVSVWK RVKAKLEGRDVPNRRMSVAEQVDYVIKEATNLDNLAQLYEGWTAWV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 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)

SMG1 monoclonal antibody (M04), clone 2B10 Western Blot analysis of SMG1 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMG1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SMG1

Entrez GeneID [23049](#)

GeneBank Accession#	NM_014006
Protein Accession#	NP_055535
Gene Name	SMG1
Gene Alias	61E3.4, ATX, KIAA0421, LIP
Gene Description	SMG1 homolog, phosphatidylinositol 3-kinase-related kinase (C. elegans)
Omim ID	607032
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a protein involved in nonsense-mediated mRNA decay (NMD) as part of the mRNA surveillance complex. The protein has kinase activity and is thought to function in NMD by phosphorylating the regulator of nonsense transcripts 1 protein. Alternative spliced transcript variants have been described, but their full-length natures have not been determined. [provided by RefSeq]</p>
Other Designations	PI-3-kinase-related kinase SMG-1 lambda/iota protein kinase C-interacting protein phosphatidylinositol 3-kinase-related kinase phosphatidylinositol 3-kinase-related protein kinase