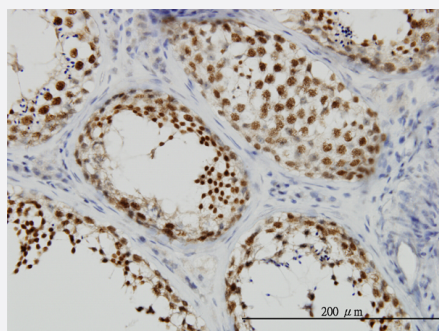


KIF2 monoclonal antibody (M01), clone 2D4

Catalog # H00003796-M01

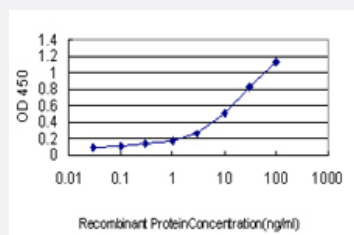
Size 100 ug

Applications



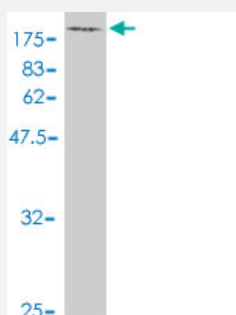
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to KIF2 on formalin-fixed paraffin-embedded human testis. [antibody concentration 6 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KIF2 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (100.43 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant KIF2.

Immunogen	KIF2 (AAH31828.1, 1 a.a. ~ 679 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVTSLNEDNESVTVEWIENGDTKGKEIDLESIFSLNPDLVPDEEIEPSPETPPPPASSAKVKNKIVK NRRTVASIKNDPPSRDNRVVG SARARPSQFPEQSSSAQQNGSVSDISPVQAAKKEFGPPSRRK SNCVKEVEKLQEKREKRRLQQQELREKRAQDVDA TNPNYEIMCMIRDFRGSLDYRPLTTADPIDE HRCVCVRKRPLNKKETQMKDLDVITIPSKDVVMVHEPKQKVDLTRYLENQTFRFDYAFDD SAPN EMVYRFTARPLVETIFERGMATCFAYGQTGSGKTHTMGGDFSGKNQDCSKGIYALAARDVFLMLK KPNYKKLELQVYATFFEIYSGKVFDLLNRKTKLRVLEDGKQQVQVVG LQEREVKCVEDVLKLIDIG NSCRTSGQTSANAHSSSRSHAVFQIILRRKGKLGKFSLIDLAGNERGADTSSADRQTRLEGAEINK SLLALKECIRALGRNKPHTPF RASKLTQVLRDSFIGENSRTCMIATISPGMASCENTLNTLRYANRV KELTVDP TAAGDVRPIMHHPPNQIDDLTQWGVGSSPQRDDLKLLCEQNEEEVSPQLFTFHEAV SQMVEMEEQVVEDHRAVFQESIRWLEDEKALLEMTEEVDYDVDSYATQLEAILEQKIDILTEL RDK VKSFR AALQEEEEQASKQINPKRPRAL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (99)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (100.43 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](#)

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

Immunoperoxidase of monoclonal antibody to KIF2 on formalin-fixed paraffin-embedded human testis. [antibody concentration 6 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KIF2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — KIF2A

Entrez GeneID	3796
GeneBank Accession#	BC031828
Protein Accession#	AAH31828.1
Gene Name	KIF2A
Gene Alias	HK2, KIF2
Gene Description	kinesin heavy chain member 2A
Omim ID	602591
Gene Ontology	Hyperlink
Gene Summary	Kinesins, such as KIF2, are microtubule-associated motor proteins. For background information on kinesins, see MIM 148760.[supplied by OMIM]
Other Designations	Kinesin, heavy chain, 2 kinesin heavy chain member 2

Publication Reference

- [Lysosomal positioning coordinates cellular nutrient responses.](#)

Korolchuk VI, Saiki S, Lichtenberg M, Siddiqi FH, Roberts EA, Imarisio S, Jahreiss L, Sarkar S, Futter M, Menzies FM, O'Kane CJ, Deretic V, Rubinsztein DC.

Nature Cell Biology 2011 Apr; 13(4):453.

Application: WB, Human, HeLa cells

Disease

- [Schizophrenia](#)
- [Tobacco Use Disorder](#)