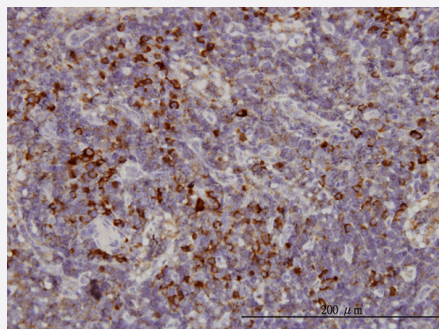


KIFC1 monoclonal antibody (M01), clone 2B9

Catalog # H00003833-M01

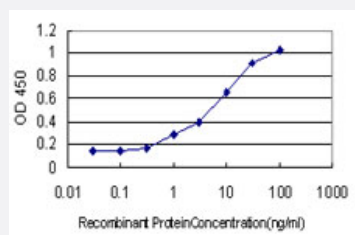
Size 100 ug

Applications



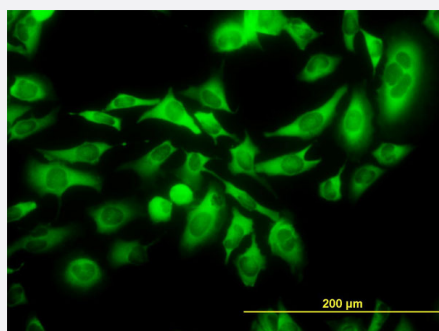
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to KIFC1 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]



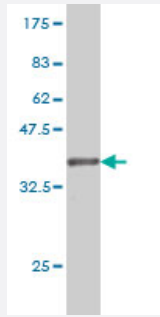
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KIFC1 is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to KIFC1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant KIFC1.
Immunogen	KIFC1 (AAH00712, 53 a.a. ~ 152 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDPQRSPLLEVKGNIELKRPLIKAPSQLPLSGSRLKRRPDQMEDGLEPEKKRTRGLGATTKITSH PRVPSLTTPQTQGQTTAQKVSKKTGPRCSTAIA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (62); Rat (59)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 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 KIFC1 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KIFC1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to KIFC1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — KIFC1

Entrez GeneID	3833
GeneBank Accession#	BC000712
Protein Accession#	AAH00712
Gene Name	KIFC1
Gene Alias	HSET, KNSL2, MGC1202, MGC149736, MGC149737
Gene Description	kinesin family member C1
Omim ID	603763
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000029296 kinesin-like 2 kinesin-like protein 2 kinesin-related protein HSET

Publication Reference

- [Expression of kinesin family member C1 in pancreatic ductal adenocarcinoma affects tumor progression and stemness.](#)

Akira Ishikawa, Hiroki Fujii, Takafumi Fukui, Aya Kido, Narutaka Katsuya, Kazuhiro Sentani, Kazuya Kuraoka, Sho Tazuma, Takeshi Sudo, Masahiro Serikawa, Shiro Oka, Naohide Oue.

Pathology, Research and Practice 2022 Dec; 241:154277.

Application: IHC, Human, Human pancreas, PANC-1, PK-1 cells

- [KIFC1 Inhibitor CW069 Induces Apoptosis and Reverses Resistance to Docetaxel in Prostate Cancer.](#)

Sekino Y, Oue N, Koike Y, Shigematsu Y, Sakamoto N, Sentani K, Teishima J, Shiota M, Matsubara A, Yasui W.

Journal of Clinical Medicine 2019 Feb; 8(2):E225.

Application: WB, Human, DU145, C4-2 cells

- [Induction of KIFC1 expression in gastric cancer spheroids.](#)

Oue N, Mukai S, Imai T, Pham TTB, Oshima T, Sentani K, Sakamoto N, Yoshida K, Yasui W.

Oncology Reports 2016 Apr; 36(1):349.

Application: IHC, WB-Tr, Human, Human gastric cancer, Human non-neoplastic gastric mucosa, MKN-45 cells

- [The Presence of Kinesin Superfamily Motor Proteins KIFC1 and KIF17 in Normal and Pathological Human Placenta.](#)

Sati L, Seval-Celik Y, Unek G, Korgun ET, Demir R.

Placenta 2009 Oct; 30(10):848.

Application: IHC-P, WB-Ti, Human, Human placenta

Disease

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)