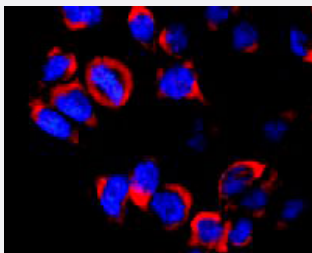


Kinesin (heavy chain) monoclonal antibody, clone KN-02

Catalog # MAB3621

Size 100 ug

Applications



Immunofluorescence

Immunofluorescence staining of vesicles (red) in RBL-2H3 (rat basophilic leukemia cell line) using Kinesin (heavy chain) monoclonal antibody, clone KN-02 (Cat # MAB3621). Nuclei were stained with DAPI (blue).

Specification

Product Description	Mouse monoclonal antibody raised against native Kinesin (heavy chain).
Immunogen	Native purified porcine Kinesin (heavy chain).
Host	Mouse
Reactivity	Human, Mouse, Pig, Rat
Specificity	This antibody recognizes heavy chain of conventional kinesin associated with vesicles and with lower affinity with denatured molecule. Epitope is located in coiled-coil stalk domain. It stains Western blot s of kinesin-enriched preparations. Epitope mapping (by limited proteolysis of partially purified porcine kinesin) followed by immunoblotting has revealed that antibodies MAB3620, MAB3621 and MAB 3622 react with different sets of fragments. This antibody does not react with kinesin bound to taxol-stabilized microtubules.
Form	Liquid
Concentration	1 mg/mL
Isotype	IgM
Recommend Usage	The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunocytochemistry
- Immunofluorescence

Immunofluorescence staining of vesicles (red) in RBL-2H3 (rat basophilic leukemia cell line) using Kinesin (heavy chain) monoclonal antibody, clone KN-02 (Cat # MAB3621). Nuclei were stained with DAPI (blue).

Publication Reference

- [Preparation of human recombinant kinesin heavy chain and epitope mapping of its structural domains.](#)

Malcová-Janatová I, Richterová V, Dráber P, Hasek J.

Folia Microbiologica 2004 Nov; 49(6):665.

Application: WB-Ce, E. coli, BL21DE3Star cells

- [Monoclonal antibodies KN-02 and KN-03 against the heavy chain of kinesin.](#)

Macůrek L, Dráberová E, Richterová V, Böhm KJ, Dráber P.

Hybridoma and Hybridomics 2002 Dec; 21(6):457.

Application: IF, IP, WB-Re, Mouse, NIH/3T3 cells, Recombinant protein