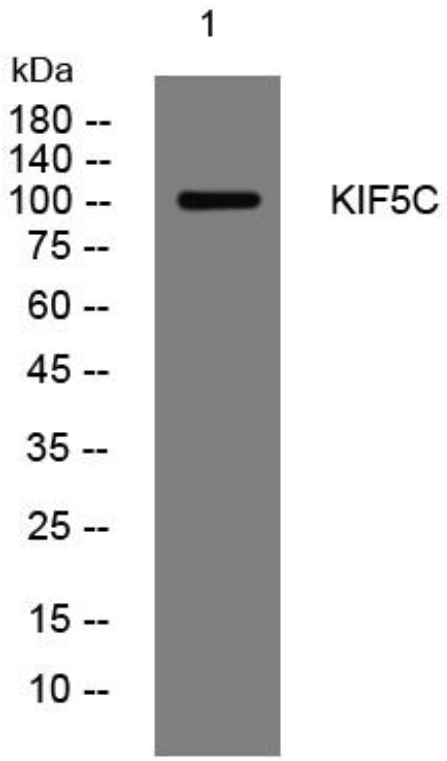
KIF5C mouse mAb

Catalog No	BYmab-08132
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	KIF5C KIAA0531 NKHC2
Protein Name	KIF5C
Immunogen	Synthesized peptide derived from human KIF5C AA range: 119-169
Specificity	This antibody detects endogenous levels of KIF5C at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.247% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Kinesin heavy chain isoform 5C (Kinesin heavy chain neuron-specific 2)
Observed Band	105kD
Cell Pathway	Cytoplasm, cytoskeleton . Cell projection, dendrite . Abundant in distal regions of dendrites. .
Tissue Specificity	Highest expression in brain, prostate and testis, and moderate expression in kidney, small intestine and ovary.
Function	domain:Composed of three structural domains: a large globular N-terminal domain which is responsible for the motor activity of kinesin (it hydrolyzes ATP and binds microtubule), a central alpha-helical coiled coil domain that mediates the heavy chain dimerization; and a small globular C-terminal domain which interacts with other proteins (such as the kinesin light chains), vesicles and membranous organelles.,function:Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport.,similarity:Belongs to the kinesin-like protein family.,similarity:Belongs to the kinesin-like protein family. Kinesin subfamily.,similarity:Contains 1 kinesin-motor domain.,subunit:Oligomer composed of two heavy chains and two light chains. Interacts with GRIP1 and KLC3.,tissue specificity:Highest expression

	in brain, prostate and testis, and moderate expression in kidney
Background	The protein encoded by this gene is a kinesin heavy chain subunit involved in the transport of cargo within the central nervous system. The encoded protein, which acts as a tetramer by associating with another heavy chain and two light chains, interacts with protein kinase CK2. Mutations in this gene have been associated with complex cortical dysplasia with other brain malformations-2. Two transcript variants, one protein-coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Jul 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using KIF5C mouse mAb