KIF2C (Kinesin Family Member 2C) / MCAK Antibody

Mouse Monoclonal Antibody [Clone KIF2C/4707]

Catalog No	Format	Size
11004-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
11004-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
11004-MSM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

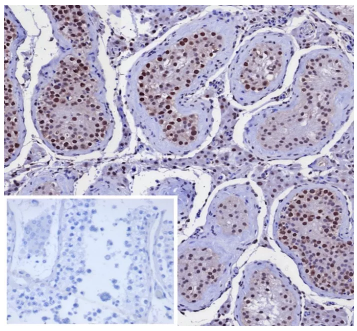
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	KIF2C/4707
Gene Name	KIF2C
Immunogen	Recombinant fragment (around aa500-700) of human KIF2C protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	75/81kDa
Cellular Localization	Cytoplasm. Nucleus.
Species Reactivity	Human
Positive Control	Human thymus or testis. Isoform 2 is testis-specific.

**Optimal dilution for a specific application should be determined.*

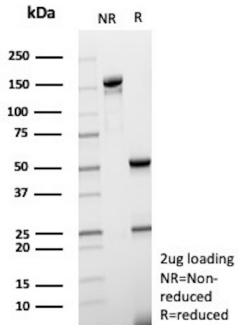
Product Images for KIF2C (Kinesin Family Member 2C) / MCAK Antibody



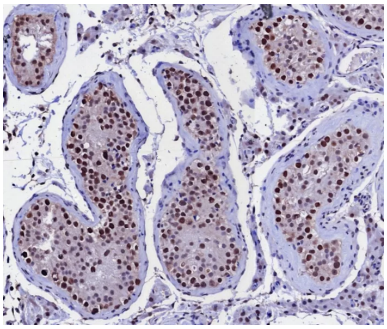
Formalin-fixed, paraffin-embedded human testis stained with KIF2C Mouse Monoclonal Antibody (KIF2C/4707) at 2ug/ml. Inset: PBS instead of primary antibody; secondary only negative control.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing KIF2C / MCAK Mouse Monoclonal Antibody (KIF2C/4707). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified KIF2C Mouse Monoclonal Antibody (KIF2C/4707). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human testis stained with KIF2C Mouse Monoclonal Antibody (KIF2C/4707) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Kinesin family member 2c (KIF2C), alternately known as mitotic centromere associated kinesin (MCAK), is a member of the kinesin-like family of proteins. KIF2C is a cytoplasmic and nuclear protein, present throughout the cell cycle. KIF2C associates with the centromere early in prophase, and disassociates after telophase. KIF2C is abundant in thymus and testis, and present at lower levels in small intestine, the mucosal lining of the colon, and placenta. Human KIF2C maps to chromosome 1p34.1.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, Nuclear Marker, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.