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Product datasheet for TA327996

Eg5 (KIF11) Mouse Monoclonal Antibody [Clone ID: 10C7/Eg5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	10C7/Eg5
Applications:	WB
Recommended Dilution:	WB, IP, IF
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Amino Acid: 200-500 of human Eg5
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.
Concentration:	lot specific
Purification:	The antibody was purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	119 kD
Gene Name:	kinesin family member 11
Database Link:	NP_004514 Entrez Gene 16551 MouseEntrez Gene 3832 Human P52732

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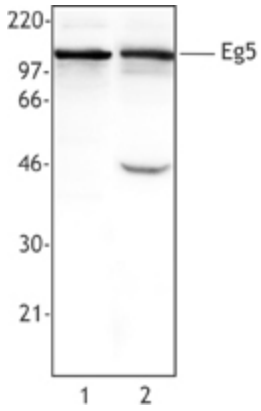
Background: Eg5 (also known as kinesin-like protein KIF11, kinesin-related motor protein Eg5, kinesin-like spindle protein HKSP, and thyroid receptor interacting protein 5 (TRIP5)) is a 119 kD kinesin-like protein family, BimC subfamily. This protein is a catalytic kinesin motor with coiled-coil and Smc domains. Eg5 is localized at the centrosomes, spindle microtubules, and intracellular bridge. This motor protein is required for establishing the bipolar spindle. hEg5 is modified by phosphorylation on Thr927 by Cdc2 to allow association with the spindle apparatus. Eg5 has been shown to interact with the thyroid hormone receptor in presence of thyroid hormone and Cdc2. The 10C7/Eg5 monoclonal antibody has been shown to react with human and mouse Eg5 by Western blot.

Synonyms: EG5; HKSP; KNSL1; MCLMR; TRIP5

Protein Families: Druggable Genome

Product images:



Hela cell extract (Lane 1) or NIH3T3 cell extract (Lane 2) was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-Eg5 (Clone 10C7/Eg5) antibody. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.