MYO9B antibody

Product Information

Catalog No.:	FNab05509
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Binds actin with high affinity both in the absence and presence of ATP and its mechanochemical activity is inhibited by calcium ions(PubMed:9490638). Also acts as a GTPase activator for RHOA(PubMed:9490638, PubMed:26529257). Plays a role in the regulation of cell migration via its role as RHOA GTPase activator. This is regulated by its interaction with the SLIT2 receptor ROBO1; interaction with ROBO1 impairs interaction with RHOA and subsequent activation of RHOA GTPase activity, and thereby leads to increased levels of active, GTP-bound RHOA(PubMed:26529257).

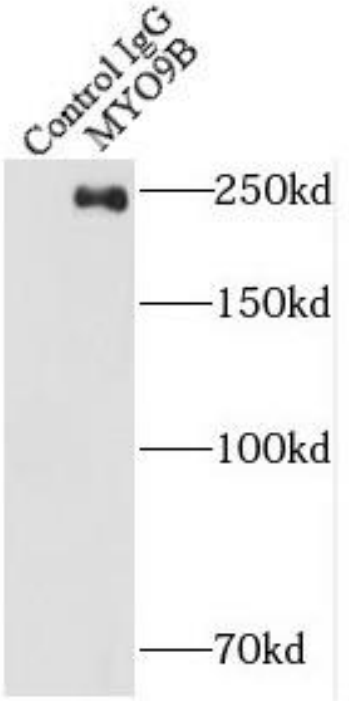
Immunogen information

Immunogen:	myosin IXB
Synonyms:	Unconventional myosin-IXb|Unconventional myosin-9b|MYO9B|MYR5
Observed MW:	230-250 kDa
Uniprot ID :	Q13459

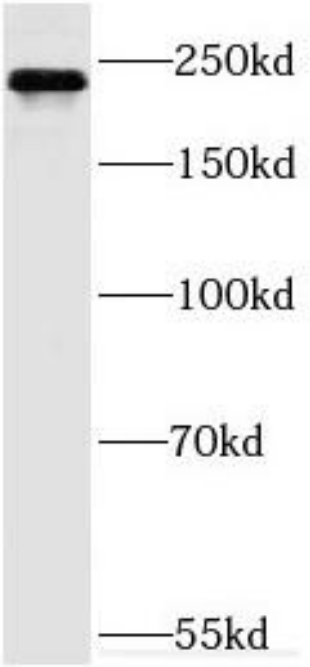
Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IP
Recommended dilution:	WB: 1:500-1:2000; IP: 1:200-1:2000

Image:



IP Result of anti-MYO9B (IP:FNab05509, 5ug; Detection:FNab05509 1:500) with HepG2 cells lysate 2800ug.



mouse thymus tissue were subjected to SDS PAGE followed by western blot with FNab05509(MYO9B Antibody) at dilution of 1:600