



Mouse anti-Mouse KAP3A monoclonal antibody, clone 25/LBQ4B (CABT-B9226)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Mouse KAP3A aa. 612-787
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat, Dog, Chicken
Clone	25/LBQ4B
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IP; IF; Bioimaging
Format	Liquid
Concentration	250 µg/ml
Size	50 µg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	KAP3 (kinesin superfamily-associated protein 3) was identified as an accessory protein for the
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microtubule translocator kinesin and, independently, as SMAP (Smg GDS-associated protein). Alternative splicing of KAP3 mRNA results in proteins of 793 amino acids (KAP3A) and 772 amino acids (KAP3B). KAP3 protein reportedly is highly expressed in brain and testis and displays an apparent molecular weight of 100 kDa. Analysis of its primary structure reveals that KAP3A contains nine repeats of the Arm domain (40 amino acids). This domain is characteristic of the Armadillo family of proteins that includes armadillo, β -catenin, plakoglobin, importin, APC, and pp120. In addition, KAP3/SMAP is a substrate for v-src kinase. Phosphorylation of KAP3/SMAP decreases its association with Smg GDS.

Keywords	KAP3A; KIFAP3; FLA3; KAP3; SMAP; KAP-1; KAP-3; Smg-GDS; dJ190I16.1; kinesin-associated protein 3; kinesin superfamily-associated protein 3
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GENE INFORMATION

Entrez Gene ID	22920
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UniProt ID	Q92845
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