

PASK Monoclonal Antibody (mAB6)

Catalog NumberMA1-700

Product data sheet

Details		Species Reactivity	
Size	100 µg	Published species	Human
Host/Isotope	Mouse / IgG2a	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody		
Clone	mAB6	Western Blot (WB)	Assay-dependent
Immunogen	Recombinant, GST tagged, PAS fusion protein expressed in E. coli.	Immunocytochemistry (ICC/IF)	1:10-1:200
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Immunohistochemistry (IHC)	See 1 publications below
Concentration	1 mg/mL	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

MA1-700 contains 100 µg of Protein A/G purified, in vitro produced IgG2a (1 mg/mL) in PBS with 1 mg/mL BSA and 0.05% sodium azide. MA1-700 detects PASK from human, non-human primate and rat samples. MA1-700 has been successfully used in Western blot and CC/IF procedures. The MA1-700 immunogen is recombinant, GST tagged, PAS fusion protein expressed in E. coli This monoclonal antibody was expressed by hybridoma cells grown in vitro in ABR's dialysis-based bioreactor system. All media, reagents, and other variables that affect the system are continuously monitored and controlled, ensuring a superior degree of precision and repeatability compared to an in vivo ascites production. Additionally, the serum free medium is further protein purified for improved antibody performance.

Background/Target Information

PASK is an evolutionarily conserved protein present in yeast, flies, and mammals. PAS domains regulate the function of many intracellular signaling pathways in response to both extrinsic and intrinsic stimuli. It is a conserved gene product found in yeast as well as mammals. PASKIN contains two domains (PAS A and PAS B) as well as a serine/threonine kinase domain related to AMP kinases. PASKIN activity leads to decreased carbohydrate storage, as well as increased protein synthesis. PASKIN-dependent phosphorylation inhibits the activity of mammalian glycogen synthase.

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PubMed References For PASK Monoclonal Antibody (mAB6)

1 Immunohistochemistry References

Species / Dilution	Summary
Human / 1:50	MA1-700 was used in immunohistochemistry to study the PASKIN expression in male germ cell and its novel target eEF1A1
	Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology (2007; 20: 227) "Male germ cell expression of the PAS domain kinase PASKIN and its novel target eukaryotic translation elongation factor eEF1A1." Author(s):Eckhardt K,Troger J,Reissmann J,Katschinski DM,Wagner KF,Stengel P,Paasch U,Hunziker P,Borter E,Barth S,Schläfli P,Spielmann P,Stiehl DP,Camenisch G,Wenger RH PubMed Article URL: http://dx.doi.org/10.1159/000104169

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