

Datasheet: 0100-0074

Description:	MOUSE ANTI HUMAN CRANIN
Specificity:	CRANIN
Other names:	DYSTROGLYCAN
Format:	Ascites
Product Type:	Monoclonal Antibody
Clone:	6C1 (4G2)
Isotype:	lgM
Quantity:	0.1 ml

Product Details

Applications	This product has been re	ported to	work in t	he following application	s. This information is			
	derived from testing within our laboratories, peer-reviewed publications or personal							
	communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit <u>www.bio-</u> rad-antibodies.com/protocols							
		Yes	No	Not Determined	Suggested Dilution			
	Immunohistology - Frozen	-			1/1 - 1/50			
	Immunohistology - Paraffin			•				
	ELISA	-						
	Western Blotting							
	Where this product has n	iot been t	ested for	use in a particular tech	nique this does not			
	necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own							
	system using the appropriate negative/positive controls.							
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Target Species	Human							
Species Cross	Reacts with: Mouse, Xen	opus, Ch	icken, Sh	eep, Rat				
Reactivity	N.B. Antibody reactivity a	and worki	ng conditi	ions may vary between	species. Cross			
	reactivity is derived from testing within our laboratories, peer-reviewed publications or							
	personal communications from the originators. Please refer to references indicated for							
	further information							
Product Form	Ascites - liquid							
Preservative	None present							
Stabilisers								
Immunogon	A aunthatia pantida aarra	oponding	to omino	acida 572 604 of huma	n oronin			
mmunogen	A synthetic peptide corre	sponding	to amino	acius 372-004 01 HUM2				

(dystroglycan).

External Database Links	UniProt: Q14118 Related reagents Entrez Gene: <u>1605</u> DAG1 <u>Related reagents</u>
RRID	AB_620125
Specificity	Mouse anti Human Cranin antibody, clone 6C1 recognises human cranin, also known as dystroglycan. Cranin is expressed in brain and many other tissues, it binds laminin with high affinity in a calcium dependent manner. It appears to be important in maintaining normal muscle integrity. Loss of cranin from the muscle surface may be one of the primary events leading to muscle injury in congenital muscular dystrophies, it may also play a role in the cognitive deficits often seen in such conditions. Mouse anti Human cranin, clone 6C1 recognizes an extracellular region close to the C terminal end of the alpha subunit of human cranin.
Histology Positive Control Tissue	Neurons, astrocytes, smooth muscle, fibroblasts or epithelial cell lines.
References	 Smalheiser, N.R. & Kim, E. (1995) Purification of cranin, a laminin binding membrane protein. Identity with dystroglycan and reassessment of its carbohydrate moieties. <u>J Biol</u> <u>Chem. 270 (25): 15425-33.</u> Smalheiser, N.R. & Schwartz, N.B. (1987) Cranin: a laminin-binding protein of cell membranes. <u>Proc Natl Acad Sci U S A. 84 (18): 6457-61.</u>
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10194 available at: 10194: <u>https://www.bio-rad-antibodies.com/uploads/MSDS/10194.pdf</u>
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgM NEGATIVE CONTROL (MCA692)

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50

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