

## OriGene Technologies Inc.

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## AM50378SU-N OriGene EU

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## Monoclonal Antibody to Cranin (572-604) - Ascites

Alternate names:	alpha-dystroglycan
Catalog No.:	AM50378SU-N
Quantity:	0.1 ml
Uniprot ID:	<u>Q9TS66</u>
NCBI:	<u>9940</u>
Host / Isotype:	Mouse / IgM
Clone:	6C1
Immunogen:	Synthetic peptide corresponding to a.a. 572-604 of human cranin.
Format:	State: Liquid Ascites
Applications:	<ul> <li>Immunohistochemistry on tissue fixed briefly with 0.5% glutaraldehyde, 2% PLP fixation, methanol or acetone. Prolonged fixation must be avoided. Traditional formalin is not recommended.</li> <li>Suggested working dilution 1:1-1:50.</li> <li>ELISA.</li> <li>Immunocytochemistry on neuron, astrocyte, smooth muscle, fibroblast and epithelial cell lines.</li> <li>Other applications not tested. Optimal dilutions are dependent on conditions and should</li> </ul>
	be determined by the user.
Specificity:	Cranin (dystroglycan), extracellular site, near the C-terminus of the alpha-subunit. The expression and localization of cranin varies considerably according to the cells physiologic state and differentiaion state. <b>Species:</b> Xenopus, Chicken, Human, Mouse, Rat, Sheep. Other species not tested.
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.



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**Pictures:** 

Mouse anti-Cranin/Dystroglycan. Immunostaining of adult rat cerebellum with cranin antibody (). Strong, selective staining was observed of fibers throughout the molecular layer (M). Little staining is observed within the granule layer (G) or white matter (W), except for some blood vessels. At higher power (inset), some of the stained fibers are seen to exhibit a pattern of dots, short segments, and spines that closely follow the trajectory of climbing fibers upon Purkinje cell dendrites, suggesting that the immunoreactive product is localized to regions of synaptic contact upon the dendrites.





**For research and in vitro use only. Not for diagnostic or therapeutic work.** Material Safety Datasheets are available at www.acris-antibodies.com or on request. Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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