

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

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

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.

