Ab1-3G10

Error rendering macro 'show-if'

Failed to render Visibility macro due to: @authenticated is not a valid user

Antibody Name:	Ab1-3G10 from the ZFIN antibody database.
Other names, clone ids, catalog ids etc.	370260-S , Ab Human D-Heparan Sulfate , F69-3G10 , 3G10
Does it work on zebrafish?	yes
Host organism	Mouse
Immunogen organism	Human
Antibody isotype	IgG2b , k
Antibody type	monoclonal
Anatomical structures recognized (use terms from the ZFIN Anatomical Ontology)	ceratohyal cartilage; Meckel's cartilage; pharyngeal arch 3-7
Recognized target molecules (gene names, domains, epitopes ...)	
Suppliers	AMS Biotechnology (Europe) Ltd.

Assays Tested

Assay	Prep	Worked	Notes
immunohistochemistry		yes	from ZFIN curation

Notes

- Imported from ZFIN Antibody page Ab1-3G10
- The antibody (F69-3G10 clone) reacts with heparan sulfate neo-epitope 3G10, generated by digesting heparan sulfate with heparitinase I (Heparinase III) from Flovobacterium heparinum (EC 4.2.2.8). The desaturated hexuronate (glucuronate) that is present at the non-reducing end of the heparan sulfate fragments created by the enzyme is critical for the reactivity of the antibody. The 3G10 antibody dose not react with oligosaccharides generated from chondroitin sulfates with bacterial chondroitinase ABC or AC, or generated from heparan sulfate with heparinase (Heparinase I): EC 4.2.2.7). (ZFIN Staff)
- Citations for Ab1-3G10 at ZFIN