


**Approval of experimental Animal Ethics of Northwest Minzu University**

No.: xbm-sm-2022022

Application Date: 7 March 2022

Name of animal Research Project: Study on TGM2 regulating the tumorigenicity of MDCK cells		
Project Category: The basic research		
Summary of animal Experiment content: Nude mice were injected subcutaneously on the back, and each was inoculated with 0.2ml cell suspension. After inoculation, nude mice were raised in SPF animal room. Observe twice a week, record the weight of nude mice, measure the tumor volume (tumor length (a) width (b)) with vernier caliper, and the tumor volume = $(a \times b^2/2)$ the weekly tumor volume growth map, final tumor volume and final body weight map of nude mice should be recorded.		
Project Leader: Liu Zhenbin	Tel. +86-18919144966	
Project executive: Guo Shouqing	Tel. +86-15101292196	
Animal usage	Animal strain, breed, grade: (4-7w): BALB/c nude mice	Average weight: 18 g
	Quantity: 60	Feeding time: 2021.8.14-2021.9.11
	Anesthesia method: Inhalation anesthesia	Anesthetic name: Isoflurane
	Method of execution: Cervical dislocation and death	Treatment of animal residues: Put it into a garbage bag and hand it over to the school Animal Center for treatment
	Start date of animal experiment: August 14, 2021	End Date: September 11, 2021
Declaration: I will consciously accept the supervision and inspection of the Experimental Animal Ethics Committee of Northwest Minzu University, and ensure that the above materials are objective and reliable.		
Signature of the project leader: Zhenbin Liu		
Signature (seal) of project Executor: Shouqing Guo		
Date: 7 Mar 2022		
Opinion of Collage		
Chief signature: Jialin Bai		
Seal:		
Date: 7 Mar, 2022		
Opinion of ethics Committee on approval:		
Chief signature: Shengdong Huo		
Seal:		
Date:		