

## ABSTRACT

### **MRNA VACCINE AGAINST RABIES VIRUSES AND PREPARATION METHOD THEREFOR**

5 The present application belongs to the technical field of biological medicines, and particularly relates to a mRNA vaccine against rabies viruses and a preparation method therefor, the nucleotide sequence of said vaccine being shown as any one of SEQ ID NO. 1-3. The mRNA vaccine obtained by the present application can generate neutralizing antibodies at a high level, has broad-spectrum neutralizing activity on representative strains of seven pandemic  
10 populations of rabies viruses in China, effectively induces B cell immunity and T cell immunity, and provides good protection effects for mice challenged with viruses in pre-exposure and post-exposure immune tests. In addition, the vaccine can be preserved stably for a long period under a condition of -20 °C, thereby satisfying the requirements of use in countries and regions of various economic conditions.

15 [FIG. 11]