

Isolation of mouse thoracic aorta for Western blot

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Abstract

This protocol describes the preparation of aorta samples from mouse for Western blot analysis.

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Protocol

Sacrifice mouse

Step 1.

Sacrifice the mouse by an overdose intraperitoneal injection of sodium pentobarbital.

Sacrifice mouse

Step 2.

Fix the mouse on the tray, spray with 70% ethanol.

Aorta isolation

Step 3.

Open the mouse, dissect the thoracic aorta. Take the lower half portion, rinse in phosphate-buffered saline (PBS).

Aorta isolation

Step 4.

Remove the adventitia (use microscope to guide), rinse in PBS.

Aorta isolation

Step 5.

Blot to dry with a paper towel, quickly transfer to liquid N₂ to freeze.

Storage

Step 6.

Store at -80°C until used.

 **TEMPERATURE**

-80 °C Additional info: