

## Product datasheet

### ROBO4 GUINEA PIG POLYCLONAL ANTIBODY

**SKU:** MM-0202

100 µL

#### OVERVIEW

**Clonality:**

Polyclonal

**Host:**

Guinea pig

**Reactivity:**

Mouse, Human

**Application:**

WB, FC

**Target:**

Robo4

**Target background:**

The Robo (Roundabout) family of receptors is known for its guidance role during development. Studies have shown that one of the family members, Robo4, is specifically expressed in the vascular endothelium and may provide directional cues to migrating endothelial cells. Recent evidence shows that Robo4-deficient mice have increased angiogenesis, suggesting that Robo4 may play a role in restricting vascular sprouting.

**Target alias:**

Robo, roundabout guidance receptor 4, mRobo4-4CI5

**Immunogen:**

Recombinant protein

**Specificity:**

The antibody recognizes Robo-4 protein.

**Clone ID:**

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**Preservative:**

None

**Format:**

Lyophilized serum

**Recommend starting dilution:**

If reconstituted with deionized water in 100  $\mu$ l: WB 1:1000; FACS 1:300. Optimal dilution has to be determined by the user.

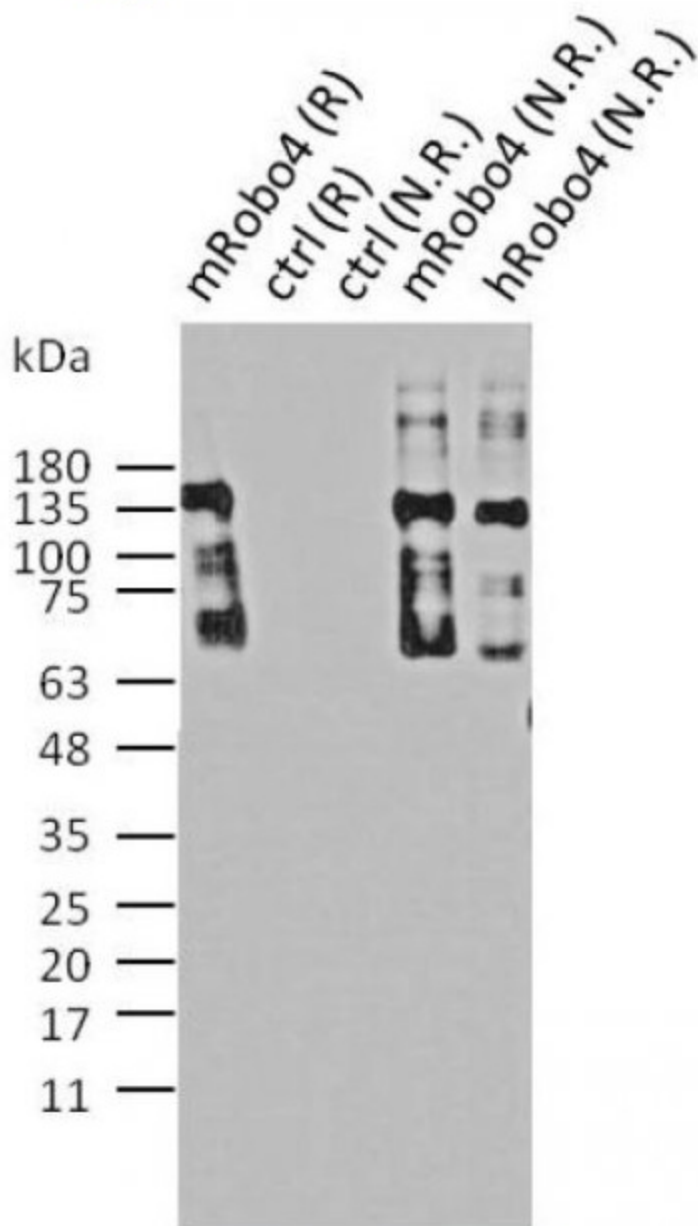
**Limitations:**

Research Use Only

**References:****Storage:**

Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.

Image:



Protein sample (3  $\mu$ g) from HEK 293 cells transiently transfected with mouse (m) or human (h) Robo4 cDNA vector or from untransfected cells (negative control; ctrl) on a 12% gel under reduced (R) or non-reduced condition (N.R.), incubated with mRobo4. Stained bands were detected only in sample from cells overexpressing mouse and human Robo4.

