



Product Information

Anti-eHAND

Developed in Rabbit, Affinity isolated antibody

Product Number **E 6655**

Product Description

Anti-eHAND is developed in rabbit using a synthetic peptide, KADGGRESKRKREL corresponding to human eHAND (amino acids 168-181) conjugated to BSA as immunogen. The antibody is affinity-purified using the immunizing peptide immobilized on resin.

Anti-eHAND specifically recognizes eHAND (23.6 kDa) by immunoblotting and immunohistochemistry. The antibody recognizes human and rodent eHAND. Other species reactivity has not been confirmed.

eHAND (Extraembryonic tissues, heart, autonomic nervous system and neural crest derivatives-expressed protein 1; Heart- and neural crest derivatives-expressed protein 1; HAND1) is a transcription regulator involved in early trophoblast differentiation and in cardiac morphogenesis.

Reagent

Anti-eHAND is provided as affinity isolated antibody in a 50% ammonium sulfate suspension in phosphate buffered saline, containing no additional preservatives.

Preparation Instructions

Method 1 for immunostaining and immunoblotting (Western blot)

1. Carefully resuspend antibody pellet to uniformity.
2. Remove a fixed amount of suspension and dissolve 1:10 in PBS or TBS to yield a 100 µg/ml solution.

Method 2 for immunoprecipitation, supershift, immunostaining and immunoblotting (Western blot)

1. Pellet antibodies at 10,000 – 15,000 x g for 10 minutes at 2 to 8 °C using a microcentrifuge.
2. Carefully remove as much supernatant as possible. It is not necessary to remove all the ammonium sulfate solution; a small residual amount will not effect the antibody preparation.

Dissolve the pellet (antibody) in small volume (100 µL) of PBS (or TBS) at final concentration of 1 mg/ml (100 µg/100 µL). Do not allow the pellet to dry out. This can cause loss of activity. Gently allow pellet to dissolve at least 1 hour before use. Do not vortex. Mix by finger-tapping or gentle stirring.

Notes:

- Reconstituted antibody may be stored at 2 to 8 °C for up to one month. Addition of a preservative (15 mM sodium azide) may be necessary.
- For extended storage, add an equal volume of high purity glycerol, to a final concentration of 50% and BSA to a final concentration of 1% and store at –20 °C.
- During shipment, small volumes will occasionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

Storage/Stability

Store ammonium sulfate suspension at 2 to 8 °C for up to one month.

For extended storage, freeze in working aliquots.

Reconstituted and diluted antiserum should be stored in aliquots at –20 °C.

Product Profile

Recommended dilutions are 1:200 to 1:1,000 for immunoblotting and immunohistochemistry.

Note: In order to obtain best results and assay sensitivity in different techniques and preparations we recommend determining optimal working dilutions by titration test.

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