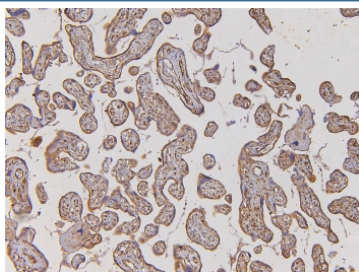


## EHD1 Antibody / EH domain-containing protein 1 / PAST1 (RQ4997)

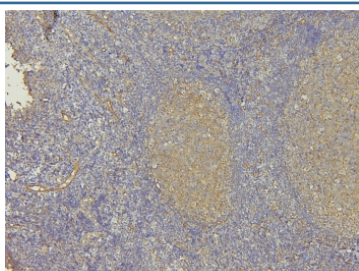
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ4997      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

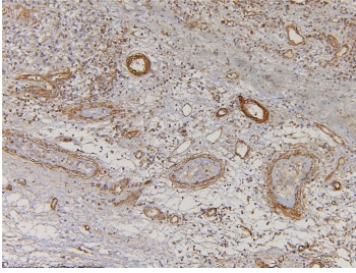
|                           |                                                                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                                                                             |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                                                                                                                             |
| <b>Format</b>             | Antigen affinity purified                                                                                                                                                     |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                                                                                    |
| <b>Isotype</b>            | Rabbit IgG                                                                                                                                                                    |
| <b>Purity</b>             | Affinity purified                                                                                                                                                             |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide                                                                                                             |
| <b>UniProt</b>            | Q9H4M9                                                                                                                                                                        |
| <b>Applications</b>       | Flow Cytometry : 1-3ug/10 <sup>6</sup> cells<br>Immunohistochemistry (FFPE) : 1-2ug/ml<br>Immunofluorescence/Immunocytochemistry (FFPE) : 2-4ug/ml<br>Western Blot : 1-2ug/ml |
| <b>Limitations</b>        | This EHD1 antibody is available for research use only.                                                                                                                        |



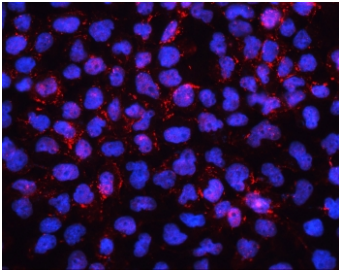
IHC staining of FFPE human placenta with EHD1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



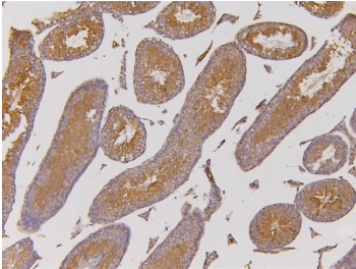
IHC staining of FFPE human tonsil with EHD1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



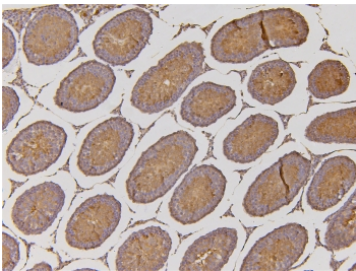
IHC staining of FFPE human testis cancer with EHD1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



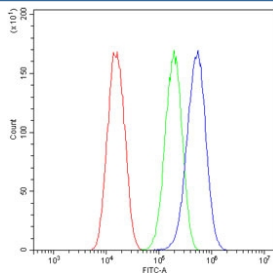
IF/ICC staining of FFPE human A431 cells with EDH1 antibody (red) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



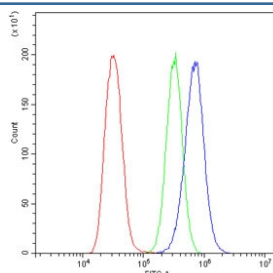
IHC staining of FFPE mouse testis with EHD1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



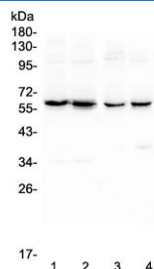
IHC staining of FFPE rat testis with EHD1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Flow cytometry testing of human U-87 MG cells with EHD1 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= EHD1 antibody.



Flow cytometry testing of human U-2 OS cells with EHD1 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= EHD1 antibody.



Western blot testing of 1) human U87 MG, 2) human PC-3, 3) rat testis and 4) mouse testis lysate with EHD1 antibody. Expected molecular weight ~61 kDa.

## Description

EH domain-containing protein 1, also known as testilin or PAST homolog 1 (PAST1), is a protein that in humans is encoded by the EHD1 gene, belonging to the EHD protein family. It is mapped to 11q13.1. This gene belongs to a highly conserved gene family encoding EPS15 homology (EH) domain-containing proteins. The protein-binding EH domain was first noted in EPS15, a substrate for the epidermal growth factor receptor. The EH domain has been shown to be an important motif in proteins involved in protein-protein interactions and in intracellular sorting. The protein encoded by this gene is thought to play a role in the endocytosis of IGF1 receptors. Alternatively spliced transcript variants have been found for this gene.

## Application Notes

Optimal dilution of the EHD1 antibody should be determined by the researcher.

## Immunogen

Amino acids K324-E516 from the human protein were used as the immunogen for the EHD1 antibody.

## Storage

Store the EHD1 antibody at -20oC.