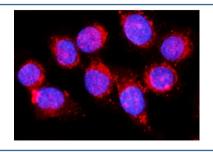


# PAST1 Antibody / EHD1 / EH domain-containing protein 1 (RQ6475)

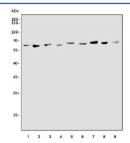
Catalog No.	Formulation	Size
RQ6475	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

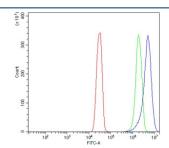
Availability	1-3 business days
Species Reactivity	Human, Mouse, Monkey
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H4M9
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This PAST1 antibody is available for research use only.



Immunofluorescent staining of FFPE human SiHa cells with PAST1 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human T47-D, 2) human Caco-2, 3) human A549, 4) human MCF7, 5) monkey COS-7, 6) mouse testis, 7) mouse kidney, 8) mouse lung and 9) mouse ovary lysate with PAST1 antibody. Expected molecular weight ~61 kDa.



Flow cytometry testing of human SiHa cells with PAST1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PAST1 antibody.

### **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 PAST1 antibody should be determined by the researcher.

#### **Immunogen**

Amino acids HELPADLPPHLVPPSKRRHE from the human protein were used as the immunogen for the PAST1 antibody.

### **Storage**

After reconstitution, the PAST1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.