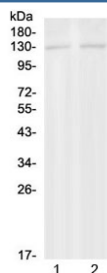


## PSD Antibody / PH and SEC7 domain-containing protein 1 (RQ4406)

Catalog No.	Formulation	Size
RQ4406	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>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	A5PKW4
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml (recombinant human protein) (BSA-free format available)
<b>Limitations</b>	This PSD antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain with PSD antibody at 0.5ug/ml. Predicted molecular weight ~109 kDa.

### Description

PSD, also called EFA6A, is 63% identical to EFA6B (PSD4) and contains a Sec7 domain adjacent to a PH domain, followed by a C-terminal coiled-coil motif. This gene is mapped to chromosome 10q24. And it encodes a Plekstrin homology and SEC7 domains-containing protein that functions as a guanine nucleotide exchange factor. The encoded protein regulates signal transduction by activating ADP-ribosylation factor 6. Alternative splicing results in multiple transcript variants.

### Application Notes

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

## Immunogen

A human partial recombinant protein corresponding to amino acids T536-K803 was used as the immunogen for the PSD antibody.

## Storage

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