

Datasheet for ABIN5692916
anti-PSD antibody (AA 536-803)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	PSD
Binding Specificity:	AA 536-803
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSD antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Brand:	Picoband™
Immunogen:	E. coli-derived human PSD recombinant protein (Position: T536-K803).
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for PSD detection. Tested with WB, Direct ELISA in Human, Mouse, Rat.

Target Details

Target:	PSD
Alternative Name:	PSD (PSD Products)
Background:	Synonyms: PH and SEC7 domain-containing protein 1, Exchange factor for ADP-ribosylation

Target Details

factor guanine nucleotide factor 6, Exchange factor for ARF6, Exchange factor for ARF6 A, Pleckstrin homology and SEC7 domain-containing protein 1, PSD, EFA6, EFA6A

Tissue Specificity: Isoform 2 is expressed in the brain.

Background: PSD, which 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.

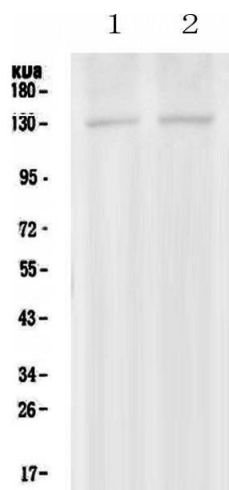
Application Details

Application Notes:	Recommended Detection Systems: Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot. Application Details: Western blot, 0.1-0.5 µg/mL Direct ELISA, 0.1-0.5 µg/mL
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot analysis of PSD using anti-PSD antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PSD antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for PSD at approximately 130KD. The expected band size for PSD is at 109KD.