

PSD4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57540

Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q8NDX1
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	116249

Additional Information

Gene ID	23550
Other Names	PH and SEC7 domain-containing protein 4, Exchange factor for ADP-ribosylation factor guanine nucleotide factor 6 B, Exchange factor for ARF6 B, Pleckstrin homology and SEC7 domain-containing protein 4, Telomeric of interleukin-1 cluster protein, PSD4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PSD4
Function	Guanine nucleotide exchange factor for ARF6 and ARL14/ARF7. Through ARL14 activation, controls the movement of MHC class II- containing vesicles along the actin cytoskeleton in dendritic cells. Involved in membrane recycling. Interacts with several phosphatidylinositol phosphate species, including phosphatidylinositol 3,4-bisphosphate, phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 4,5-bisphosphate.
Cellular Location	Cell membrane. Cell projection, ruffle membrane. Note=In interphase associated with the plasma membrane, in particular with membrane ruffling regions (PubMed:23603394). Accumulates in dynamic actin-rich membrane ruffles and microvilli-like structures (PubMed:12082148). Recruited to membranes via phosphatidylinositol phosphate-binding (Probable).
Tissue Location	Widely expressed. Highest levels of expression are found in placenta, pancreas, spleen, thymus and peripheral blood

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.