SH2D3C Polyclonal ANTIBODY
Catalog Number: 12882-1-AP

Basic Information
Catalog Number: 12882-1-AP
Size: 50 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG3887

GenBank Accession Number: BC027962
GeneID (NCBI): 10044
Full Name: SH2 domain containing 3C
Calculated MW: 94 kDa or 86 kDa or 77 kDa
Observed MW: 77 kDa

Recommended Dilutions:
WB 1:500-1:2400
IP 0.5-4.0 μg for IP and 1:1000-1:2000 for WB
IHC 1:200-1:200

Applications
Tested Applications: IHC, IP, WB, ELISA
Cited Applications: IP, WB
Species Specificity: human, mouse, rat
Cited Species: rat
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information
SH2 domain-containing protein 3C (SH2D3C, or NSP3) gene encodes an adaptor protein and member of a cytoplasmic protein family involved in cell migration. The encoded protein was identified as an Eph receptor-binding protein which may be a positive regulator of TCR signaling (PMID: 10542222). SH2D3C is an adaptor protein that has been implicated in T cell activation and shown to associate with different components of the integrin signaling pathway ex vivo, moreover, its primary in vivo role of Sh2d3c in regulating B cell development and function has also been demonstrated (PMID: 20505138). SH2D3C has 6 isoforms with MW 94, 86, 77 and 55 kDa (refer to UniProt).

Notable Publications
Author: Fujiya Gomi
Pubmed ID: 25006723
Journal: Neuroscience
Application: WB, IP

Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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HEK-293 cells were subjected to SDS-PAGE followed by western blot with 12882-1-AP (SH2D3C antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.

IP result of SH2D3C antibody (12882-1-AP for IP and Detection) with mouse brain tissue lysate.

IP Result of anti-SH2D3C (IP:12882-1-AP, 3ug; Detection:12882-1-AP 1:500) with mouse brain tissue lysate 6000ug.

Immunohistochemical analysis of paraffin-embedded human breast cancer using 12882-1-AP (SH2D3C antibody) at dilution of 1:100 (under 10x lens).