

**NSP3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55233****Specification**

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**NSP3 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q8N5H7</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94411

**NSP3 Polyclonal Antibody - Additional Information****Gene ID** 10044**Other Names**

SH2 domain-containing protein 3C, Cas/HEF1-associated signal transducer, Chat-H, Novel SH2-containing protein 3, SH2 domain-containing Eph receptor-binding protein 1, SHEP1, SH2D3C, NSP3

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**NSP3 Polyclonal Antibody - Protein Information****Name** SH2D3C**Synonyms** NSP3**Function**

Acts as an adapter protein that mediates cell signaling pathways involved in cellular functions such as cell adhesion and migration, tissue organization, and the regulation of the immune response (PubMed: [12432078](http://www.uniprot.org/citations/12432078), PubMed: [20881139](http://www.uniprot.org/citations/20881139)). Plays a role in integrin- mediated cell adhesion through BCAR1-CRK-RAPGEF1 signaling and activation of the small GTPase RAP1 (PubMed: [12432078](http://www.uniprot.org/citations/12432078)). Promotes cell migration and invasion through the extracellular matrix (PubMed: [20881139](http://www.uniprot.org/citations/20881139)). Required for marginal zone B-cell development and thymus-independent type 2 immune responses (By similarity). Mediates migration and adhesion of B cells in the splenic marginal zone via promoting hyperphosphorylation of NEDD9/CASL (By similarity). Plays a role in CXCL13-induced chemotaxis

of B-cells (By similarity). Plays a role in the migration of olfactory sensory neurons (OSNs) into the forebrain and the innervation of the olfactory bulb by the OSN axons during development (By similarity). Required for the efficient tyrosine phosphorylation of BCAR1 in OSN axons (By similarity).

**Cellular Location**

Cytoplasm. Cell membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9QZS8}. Cell projection, axon {ECO:0000250|UniProtKB:Q9QZS8}. Cell projection, ruffle membrane {ECO:0000250|UniProtKB:Q9QZS8}. Note=Associated with the membrane when EGF-stimulated (By similarity). Expressed at the cortical actin ring in B cells (By similarity). {ECO:0000250|UniProtKB:Q9QZS8}

**Tissue Location**

[Isoform 1]: Ubiquitously expressed.

**NSP3 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NSP3 Polyclonal Antibody - Images**