

**COLEC12 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54303****Specification**

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**COLEC12 Polyclonal Antibody - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, IHC-P, IHC-F, IF, ICC |
| Primary Accession | <a href="#">Q5KU26</a>    |
| Reactivity        | Rat, Pig, Dog, Bovine     |
| Host              | Rabbit                    |
| Clonality         | Polyclonal                |
| Calculated MW     | 81515                     |

**COLEC12 Polyclonal Antibody - Additional Information****Gene ID** 81035**Other Names**

Collectin-12, Collectin placenta protein 1, CL-P1, hCL-P1, Nurse cell scavenger receptor 2, Scavenger receptor class A member 4, Scavenger receptor with C-type lectin, COLEC12, CLP1, NSR2, SCARA4, SRCL

**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.

**COLEC12 Polyclonal Antibody - Protein Information****Name** COLEC12**Synonyms** CLP1, NSR2, SCARA4, SRCL**Function**

Scavenger receptor that displays several functions associated with host defense. Promotes binding and phagocytosis of Gram-positive, Gram-negative bacteria and yeast. Mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. Binds to several carbohydrates including Gal-type ligands, D-galactose, L- and D-fucose, GalNAc, T and Tn antigens in a calcium-dependent manner and internalizes specifically GalNAc in nurse-like cells. Binds also to sialyl Lewis X or a trisaccharide and asialo-orosomucoid (ASOR). May also play a role in the clearance of amyloid-beta in Alzheimer disease.

**Cellular Location**

Membrane; Single- pass type II membrane protein. Note=Forms clusters on the cell surface

**Tissue Location**

Expressed in perivascular macrophages. Expressed in plaques-surrounding reactive astrocytes and in perivascular astrocytes associated with cerebral amyloid angiopathy (CAA) in the temporal cortex of Alzheimer patient (at protein level). Strongly expressed in placenta. Moderately expressed in heart, skeletal muscle, small intestine and lung. Weakly expressed in brain, colon, thymus and kidney. Expressed in nurse-like cells. Expressed in reactive astrocytes and vascular/perivascular cells in the brain of Alzheimer patient

### **COLEC12 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](#)

### **COLEC12 Polyclonal Antibody - Images**