

Langerin (CD207) Antibody
Rabbit mAb
Catalog # AP91536**Specification**

Langerin (CD207) Antibody - Product Information

| | |
|--|------------------------|
| Application | IHC |
| Primary Accession | O9UJ71 |
| Clonality | Monoclonal |
| Other Names | |
| CD207; CD207 antigen; CD207 antigen, langerin; CD207 molecule; CLEC4K; Langerhans cell specific c type lectin; Langerin; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 36725 Da |

Langerin (CD207) Antibody - Additional Information

| | |
|------------------------------|--|
| Dilution | IHC~~1:100~500 |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human Langerin (CD207) |
| Description | Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

Langerin (CD207) Antibody - Protein Information**Name** CD207**Synonyms** CLEC4K**Function**

Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering. Binds to sulfated as well as mannosylated glycans, keratan sulfate (KS) and beta-glucans. Facilitates uptake of antigens and is involved in the routing and/or processing of antigen for presentation to T cells. Major receptor on primary Langerhans cells for Candida species, Saccharomyces species, and Malassezia furfur. Protects against human immunodeficiency virus-1 (HIV-1) infection. Binds to high-mannose structures present on the envelope glycoprotein which is followed by subsequent targeting of the virus to the Birbeck granules leading to its rapid degradation.

Cellular Location

Membrane; Single- pass type II membrane protein. Note=Found in Birbeck granules (BGs), which are organelles consisting of superimposed and zippered membranes

Tissue Location

Exclusively expressed by Langerhans cells. Expressed in astrocytoma and malignant ependymoma, but not in normal brain tissues.

Langerin (CD207) 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](#)

Langerin (CD207) Antibody - Images