

**CD207 Polyclonal Antibody**  
**Catalog # AP73458****Specification****CD207 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9UJ71</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**CD207 Polyclonal Antibody - Additional Information****Gene ID** 50489**Other Names**

CD207; CLEC4K; C-type lectin domain family 4 member K; Langerin; CD207

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**CD207 Polyclonal 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**

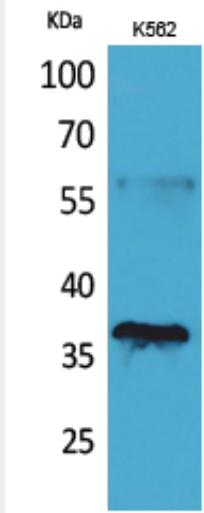
Exclusively expressed by Langerhans cells. Expressed in astrocytoma and malignant ependymoma, but not in normal brain tissues.

### CD207 Polyclonal Antibody - Protocols

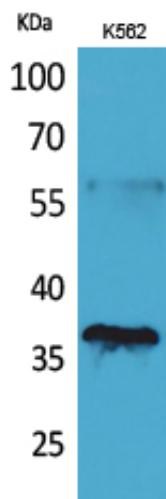
Provided below are standard protocols that you may find useful for product applications.

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

### CD207 Polyclonal Antibody - Images



Western Blot analysis of K562 cells using CD207 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Western Blot analysis of K562 cells using CD207 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

### **CD207 Polyclonal Antibody - Background**

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