

## Product datasheet for **TA349377**

### Langerin (CD207) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse skin tissue lysate IHC: 250-500 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CD207
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37 kDa
Gene Name:	CD207 molecule
Database Link:	<a href="#">NP_056532</a> <a href="#">Entrez Gene 50489 Human</a> <a href="#">Q9UJ71</a>



[View online »](#)

**Background:**

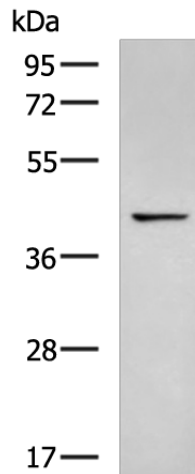
The protein encoded by this gene is expressed only in Langerhans cells which are immature dendritic cells of the epidermis and mucosa. It is localized in the Birbeck granules, organelles present in the cytoplasm of Langerhans cells and consisting of superimposed and zippered membranes. It is a C-type lectin with mannose binding specificity, and it has been proposed that mannose binding by this protein leads to internalization of antigen into Birbeck granules and providing access to a nonclassical antigen-processing pathway. Mutations in this gene result in Birbeck granules deficiency or loss of sugar binding activity.

**Synonyms:**

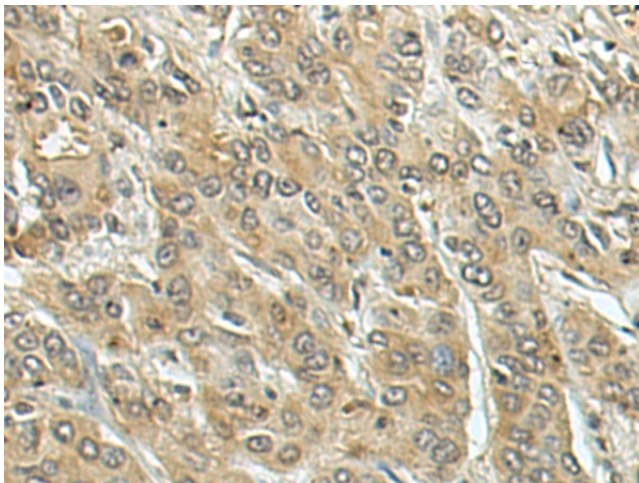
CLEC4K

**Protein Families:**

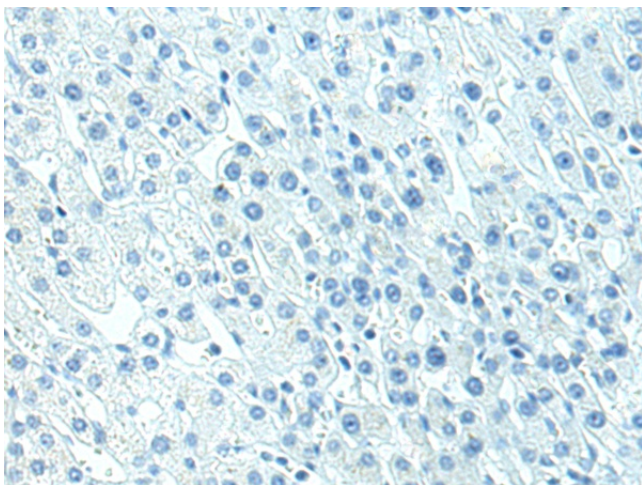
Druggable Genome, Transmembrane

**Product images:**


Gel: 8%SDS-PAGE  
 Lysate: 40 µg  
 Lane: Mouse skin tissue lysate  
 Primary antibody: TA349377 (CD207 Antibody) at dilution 1/1300  
 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
 Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA349377 (CD207 Antibody) at dilution 1/240 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA349377 (CD207 Antibody) at dilution 1/240, treated with fusion protein. (Original magnification:  $\times 200$ )