

Product datasheet for **TA336470**

Langerin (CD207) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	Western Blot: 1 - 3 ug/ml, Flow Cytometry: 1:20-1:2000, Immunohistochemistry: 1:200-1:1000, Immunohistochemistry-Frozen: 1:200-1:1000, Immunohistochemistry-Paraffin: 1:200-1:1000, Flow (Intracellular)
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Amino acids 26-44 of mouse Langerin were used as immunogen. (Genbank Accession No. CAC82936)
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD207 molecule
Database Link:	NP_056532 Entrez Gene 50489 Human Q9UJ71

Background: Langerin (CD207) is a type II membrane-associated C-type lectin known to be expressed exclusively by Langerhans cells. Langerin recognizes mannose residues via its single carbohydrate recognition domain (CRD). Langerin is localized not only on the cell surface, but also intracellularly in close association with Birbeck granules. Transfection of Langerin cDNA into fibroblasts creates a compact network of membrane structures with typical features of Birbeck granules (BG). Langerin is thus a potent inducer of membrane superimposition and zippering leading to BG formation.



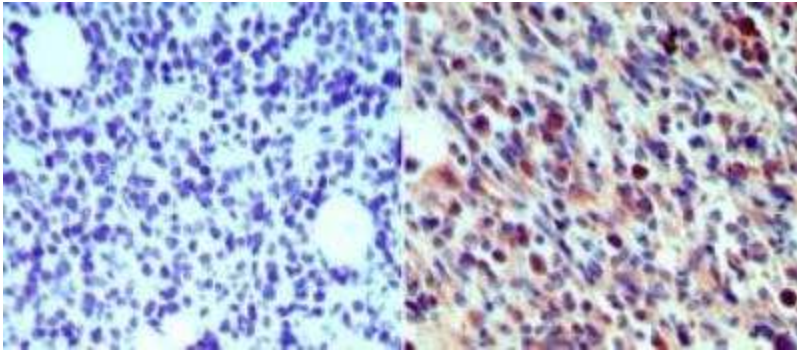
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Synonyms: CLEC4K

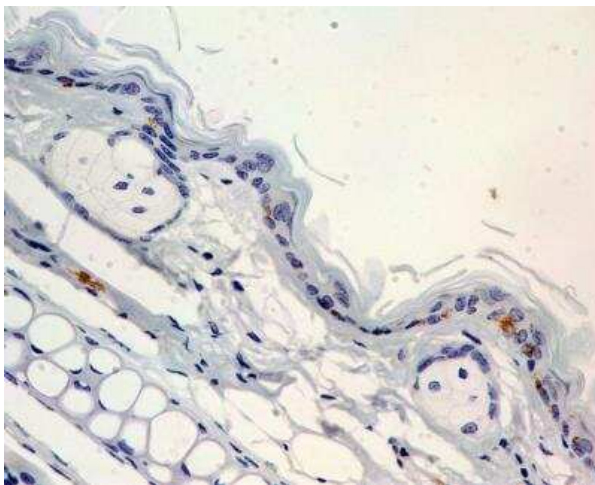
Note: A protein band of ~36 kDa is detected in mouse lung tissue lysate. Pre-incubation with the immunizing peptide completely removes langerin reactivity from NB100-56733. Confocal Microscopy: see Sun-Sang et al for details. Flow Cytometry (Intracellular): see Ness et al for details. Immunohistochemistry (frozen): see Schryver et al for details.

Protein Families: Druggable Genome, Transmembrane

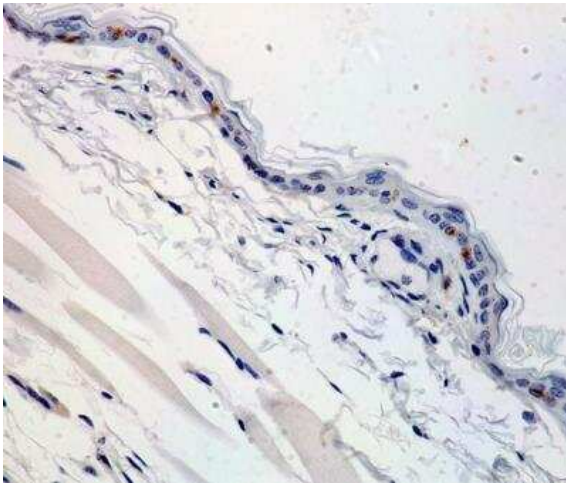
Product images:



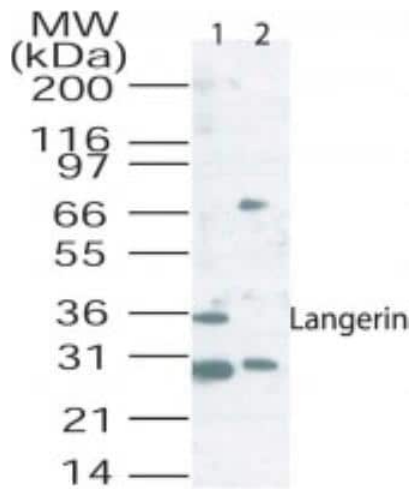
Immunohistochemistry-Paraffin: Langerin/CD207 Antibody TA336470 - Analysis of langerin (CD207) in mouse breast tissue using an isotype control antibody (left) and langerin (CD207) antibody (right) at 5 ug/ml.



Immunohistochemistry-Paraffin: Langerin/CD207 Antibody TA336470 - Tissue microarray from normal mouse organs (NBP2-30225) using rabbit polyclonal Langerin/CD207 antibody at 5ug/ml concentration. The IHC-P protocol involved antigen retrieval with 10mM sodium citrate buffer pH 6.0 and this antibody generated specific staining of the Langerhans cells in mouse ear lobe sections.



Immunohistochemistry-Paraffin: Langerin/CD207 Antibody TA336470 - Tissue microarray from normal mouse organs (NBP2-30225) using rabbit polyclonal Langerin/CD207 antibody at 5ug/ml concentration. The IHC-P protocol involved antigen retrieval with 10mM sodium citrate buffer pH 6.0 and this antibody generated specific staining of the Langerhans cells in mouse ear lobe sections.



Western Blot: Langerin/CD207 Antibody TA336470 - Analysis of langerin (CD207) in mouse lung tissue lysate using 2 ug/ml of langerin antibody. Lane 1, Without blocking peptide; Lane 2, With blocking peptide.