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Anti-CD208 Antibody
Rabbit polyclonal antibody to CD208
Catalog # AP61217

Specification

Anti-CD208 Antibody - Product Information

Application	**WB**
Primary Accession	Q9UQV4
Other Accession	Q7TST5
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**44346**

Anti-CD208 Antibody - Additional Information

Gene ID 27074

Other Names
DCLAMP; TSC403; Lysosome-associated membrane glycoprotein 3; LAMP-3; Lysosomal-associated membrane protein 3; DC-lysosome-associated membrane glycoprotein; DC LAMP; Protein TSC403; CD208

Target/Specificity
Recognizes endogenous levels of CD208 protein.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-CD208 Antibody - Protein Information

Name LAMP3

Synonyms DCLAMP, TSC403

Function
Lysosomal membrane glycoprotein which plays a role in the unfolded protein response (UPR) that contributes to protein degradation and cell survival during proteasomal dysfunction (PubMed:25681212). Plays a role in the process of fusion of the lysosome with the autophagosome, thereby modulating the autophagic process (PubMed:<a href="http://www.uniprot.org/citations/24434718"

target="_blank">24434718). Promotes hepatocellular lipogenesis through activation of the PI3K/Akt pathway (PubMed:29056532). May also play a role in dendritic cell function and in adaptive immunity (PubMed:9768752).

Cellular Location
Cell surface. Lysosome membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Early endosome membrane; Single-pass type I membrane protein. Note=During dendritic cell maturation, detected on cytoplasmic vesicles (the MHC II compartment) that contain MHC II proteins, LAMP1, LAMP2 and LAMP3 (PubMed:9768752). Detected on lysosomes in mature dendritic cells (PubMed:9768752).

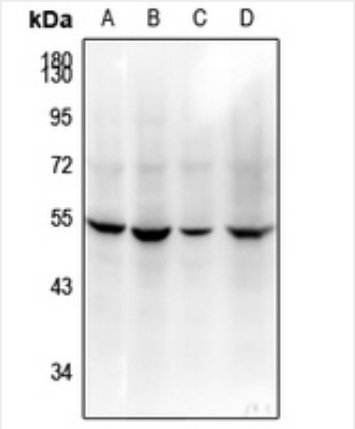
Tissue Location
Detected in tonsil interdigitating dendritic cells, in spleen, lymph node, Peyer's patches in the small instestine, in thymus medulla and in B-cells (at protein level). Expressed in lymphoid organs and dendritic cells. Expressed in lung. Up-regulated in carcinomas of the esophagus, colon, rectum, ureter, stomach, breast, fallopian tube, thyroid and parotid tissues

Anti-CD208 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 Cytomety
- Cell Culture

Anti-CD208 Antibody - Images



Western blot analysis of CD208 expression in PC3 (A), A2780 (B), PMVEC (C), Raw264.7 (D) whole cell lysates.

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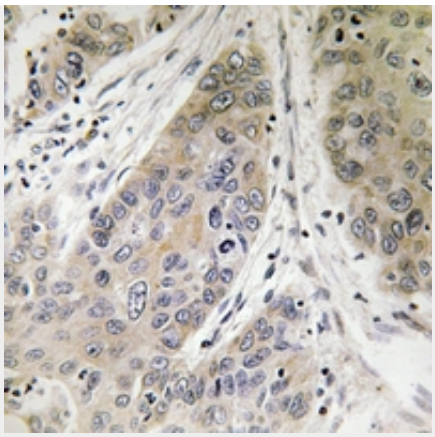

Immunohistochemical analysis of CD208 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-CD208 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD208. The exact sequence is proprietary.