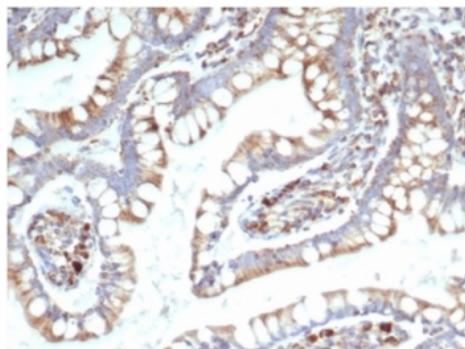


TREM2 Antibody [clone TREM2/7210] (V9417)

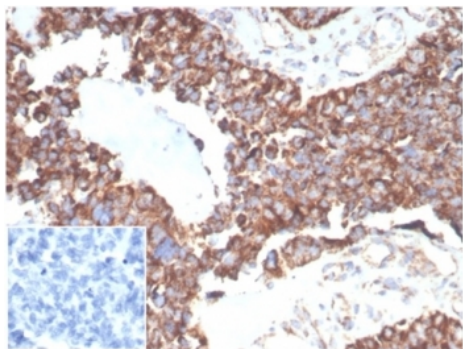
Catalog No.	Formulation	Size
V9417-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9417-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9417SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	TREM2/7210
Purity	Protein A/G affinity
UniProt	Q9NZC2
Localization	Cytoplasm, cell membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This TREM2 antibody is available for research use only.



IHC staining of FFPE human small intestine with TREM2 antibody (clone TREM2/7210).
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human ovarian carcinoma tissue with TREM2 antibody (clone TREM2/7210). Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS), known as Nasu-Hakola disease, is a recessively inherited disease where individuals display early-onset progressive dementia and bone cysts, which leads to death. Mutations in TYROBP (DAP12), which codes for a membrane receptor component in natural-killer and myeloid cells and mutations in triggering receptor expressed on myeloid cells-2 (TREM-2), correlate well to the pathology of PLOS. TREM-2 is a cell surface receptor on human monocyte-derived dendritic cells that forms a receptor signaling complex with DAP12 and triggers activation of the immune response in macrophages and dendritic cells (DC). The TREM-2/DAP12 complex is a molecular promoter of upregulation of CC chemokine receptor 7, partial DC maturation, and DC survival through activation of protein tyrosine kinases and extracellular signal regulated kinase. The human chronic inflammatory TREM-2 gene maps to chromosome 6p21.1 and encodes a 230 amino acid protein.

Application Notes

Optimal dilution of the TREM2 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-200 was used as the immunogen for the TREM2 antibody.

Storage

Aliquot the TREM2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.