

Rabbit anti-Human ACP5 Polyclonal Antibody | anti-ACP5 antibody

Anti-ACP5 Antibody, Rabbit Polyclonal

CATALOG # AAA255002	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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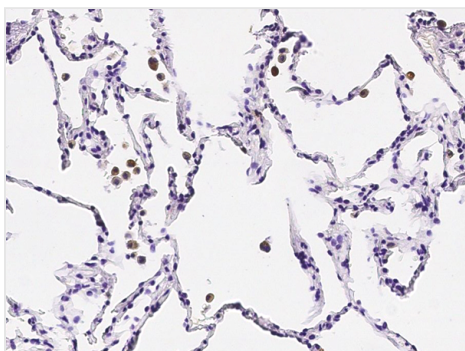
PRODUCT SYNONYMS

ACP5; Polyclonal Antibody; Anti-ACP5 Antibody; Rabbit Polyclonal; TRACP/ACP5 Antibody; Rabbit PAb; Antigen Affinity Purified; acid phosphatase 5; tartrate resistant; Anti-SPENCDI Antibody; Anti-TRAP Antibody; anti-ACP5 antibody

PRODUCT SPECIFICATIONS

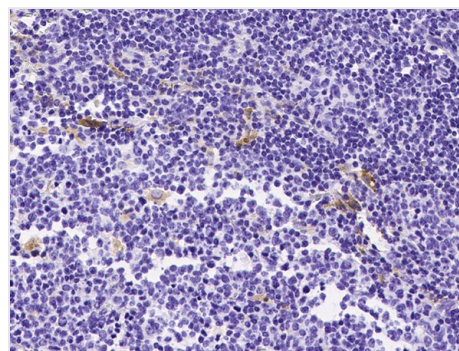
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TRACP/ACP5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ACP5 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human TRACP/ACP5 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human TRACP/ACP5 (rh TRACP/ACP5). TRACP/ACP5 specific IgG was purified by Human TRACP/ACP5 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human ACP5 in human lung with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human ACP5 in human tonsil with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-ACP5 antibody	Tartrate-resistant acid phosphatase (TRACP) or acid phosphatase 5, tartrate resistant (ACP5 or TRAP) is a glycosylated monomeric metalloenzyme expressed in mammals. TRACP is associated with osteoblast migration to bone resorption sites, and, once there, TRACP is believed to initiate osteoblast differentiation, activation, and proliferation. TRACP once considered to be just a histochemical marker of osteoclasts is now recognised to be a molecule of widespread occurrence with functions in both the skeleton and the immune system. Two forms of TRACP circulate in human blood, TRACP 5a derived from macrophages and dendritic cells, and TRACP-5b derived from osteoclasts. Recent data have demonstrated the utility of TRACP-5b as a marker of osteoclast number and bone resorption, and serum TRACP-5a as a marker of inflammatory conditions. TRACP is expressed by osteoclasts, macrophages, dendritic cells and a number of other cell types. It has a critical role in many biological processes including skeletal development, collagen synthesis and degradation, the mineralisation of bone, cytokine production by macrophages and dendritic cells, macrophage recruitment, dendritic cell maturation and a role in the development of Th1 responses.
Product Categories/Family for anti-ACP5 antibody	Phosphatases and Regulators
References	Hayman AR. (2008) Tartrate-resistant acid phosphatase (TRAP) and the osteoclast/immune cell dichotomy. Autoimmunity. 41(3): 218-23.Halleen JM, et al. (2006) Tartrate-resistant acid phosphatase 5b (TRACP 5b) as a marker of bone resorption. Clin Lab. 52(9-10): 499-509.Mochizuki Y. (2006) Bone and bone related biochemical examinations. Bone and collagen related metabolites. Tartrate-resistant acid phosphatase (TRACP). Clin Calcium. 16(6): 948-55.Lamp EC, et al. (2000) Biology of tartrate-resistant acid phosphatase. Leuk Lymphoma. 39(5-6): 477-84.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501873
NCBI GeneID	54
NCBI Accession #	NP_001602.1
NCBI GenBank Nucleotide #	NM_001611.3
UniProt Accession #	P13686 ; Q2TAB1 ; Q6IAS6 ; Q9UCJ5 ; Q9UCJ6 ; Q9UCJ7 ; A8K3V2
NCBI Official Full Name	tartrate-resistant acid phosphatase type 5
NCBI Official Synonym Full Names	acid phosphatase 5, tartrate resistant
NCBI Official Symbol	ACP5
NCBI Official Synonym Symbols	TRAP; SPENCDI
NCBI Protein Information	tartrate-resistant acid phosphatase type 5; TrATPase; tartrate-resistant acid ATPase
UniProt Protein Name	Tartrate-resistant acid phosphatase type 5
UniProt Gene Name	ACP5
UniProt Synonym Gene Names	TR-AP; TrATPase
UniProt Entry Name	PPA5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acp5-antibody-immunohistochemistry-elisa/255002>