

# Product Datasheet

## **TRACP/PAP/ACP5 Antibody (ACP5/2336R) - Azide and BSA Free** **NBP3-08700**

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP3-08700**

TRACP/PAP/ACP5 Antibody (ACP5/2336R) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ACP5/2336R
Preservative	No Preservative
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	35 kDa

Product Description	
Description	<p>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA &amp; azide. Also available at 200 ug/ml WITH BSA &amp; azide (NBP3-07651).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Rabbit
Gene ID	54
Gene Symbol	ACP5
Species	Human, Mouse, Rat
Marker	Hairy Cell Leukemia Marker
Specificity/Sensitivity	<p>It recognizes a protein of 35kDa, which is identified as tartrate-resistant acid phosphatase (TRAcP). It exists as two isoforms (5a and 5b). This monoclonal antibody reacts with both the isoforms. Serum TRAcP 5a is secreted by macrophages and dendritic cells and increased in many patients of rheumatoid arthritis. Serum TRAcP 5b is produced from osteoclasts and elevated during bone resorption. TRAcP is an iron containing glycoprotein, which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L (+)-tartrate. TRAcP is synthesized as a latent proenzyme and is activated by proteolytic cleavage and reduction. Normally, TRAcP is highly expressed by osteoclasts, activated macrophages, neurons and endometrium during pregnancy. Expression of TRAcP is increased in certain pathological conditions such as Leukemic Reticuloendotheliosis (Hairy Cell Leukemia), Gauchers Disease, HIV-induced Encephalopathy, Osteoclastoma and in osteoporosis and metabolic bone diseases. Anti-TRAcP antibody labels the cells of Hairy Cell Leukemia (HCL) with a high degree of sensitivity and specificity. Other cells stained with this antibody are tissue macrophages and osteoclasts.</p>
Immunogen	Recombinant full-length human TRACP/PAP/ACP5 protein (Uniprot: P13686)

Product Application Details	
Applications	Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin 1-2 ug/ml

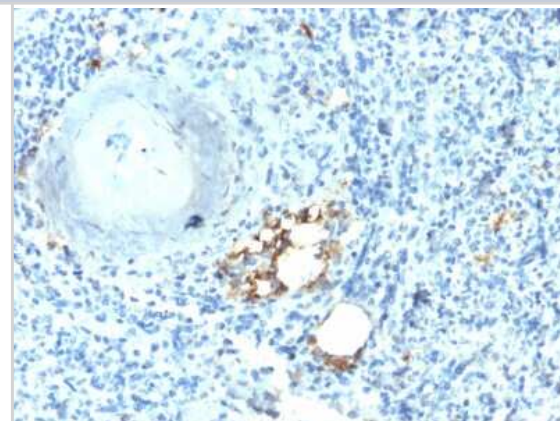


**Application Notes**

Immunohistochemistry Formalin-fixed: 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.

**Images**

Immunohistochemistry-Paraffin: TRACP/PAP/ACP5 Antibody (ACP5/2336R) - Azide and BSA Free [NBP3-08700] - Formalin-fixed, paraffin-embedded human Spleen stained with TRACP/PAP/ACP5 Rabbit Recombinant Monoclonal Antibody (ACP5/2336R).





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-38833PEP	TRACP/PAP/ACP5 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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