




Product datasheet

Anti-Tartrate Resistant Acid Phosphatase antibody [7E6A11] ab181468

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Overview

Product name	Anti-Tartrate Resistant Acid Phosphatase antibody [7E6A11]
Description	Mouse monoclonal [7E6A11] to Tartrate Resistant Acid Phosphatase
Host species	Mouse
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human, Recombinant fragment Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human Tartrate Resistant Acid Phosphatase aa 221-325. (Expressed in E.coli). Sequence: VKQLRPLLATYGVTAAYLTCGHDHNLQYLQDENGVGIVLSGA GNFMDPSKRH QRKVPNGYLRFHGYGTEDSLGGFAYVEISSKEMTVTYEASG KSLFKTRLP RRARP Database link: P13686  Run BLAST with  Run BLAST with
Positive control	T47D, HepG2, MOLT4, Jurkat and Hela cell lysates; Human TRAP 5 recombinant protein; TRAP 5 (aa 221-325)-hlgGfc transfected HEK293 cell lysate; Human liver cancer tissue.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long

term. Avoid freeze / thaw cycle.

Storage buffer

Preservative: 0.05% Sodium azide

Constituent: 99% PBS

Contains 0.5% protein stabilizer

Purity

Protein G purified

Purification notes

Purified from tissue culture supernatant.

Clonality

Monoclonal

Clone number

7E6A11

Isotype

IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181468 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/1000.
WB		1/500 - 1/2000. Predicted molecular weight: 37 kDa.

Target

Function

Involved in osteopontin/bone sialoprotein dephosphorylation. Its expression seems to increase in certain pathological states such as Gaucher and Hodgkin diseases, the hairy cell, the B-cell, and the T-cell leukemias.

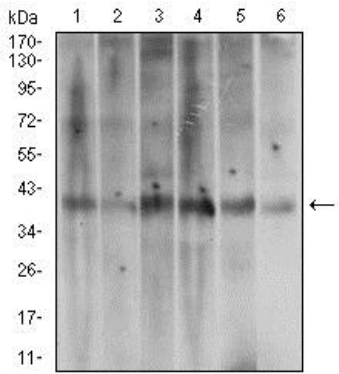
Sequence similarities

Belongs to the metallophosphoesterase superfamily. Purple acid phosphatase family.

Cellular localization

Lysosome.

Images



Western blot - Anti-Tartrate Resistant Acid Phosphatase antibody [7E6A11] (ab181468)

All lanes : Anti-Tartrate Resistant Acid Phosphatase antibody [7E6A11] (ab181468) at 1/500 dilution

Lane 1 : A431 cell lysate

Lane 2 : T47D cell lysate

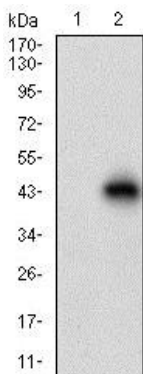
Lane 3 : HepG2 cell lysate

Lane 4 : MOLT4 cell lysate

Lane 5 : Jurkat cell lysate

Lane 6 : Hela cell lysate

Predicted band size: 37 kDa



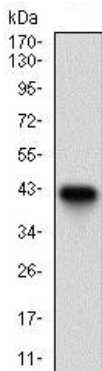
Western blot - Anti-Tartrate Resistant Acid Phosphatase antibody [7E6A11] (ab181468)

All lanes : Anti-Tartrate Resistant Acid Phosphatase antibody [7E6A11] (ab181468) at 1/500 dilution

Lane 1 : Non-transfected HEK293 cell lysate

Lane 2 : TRAP 5 (aa 221-325)-hlgGfc transfected HEK293 cell lysate

Predicted band size: 37 kDa

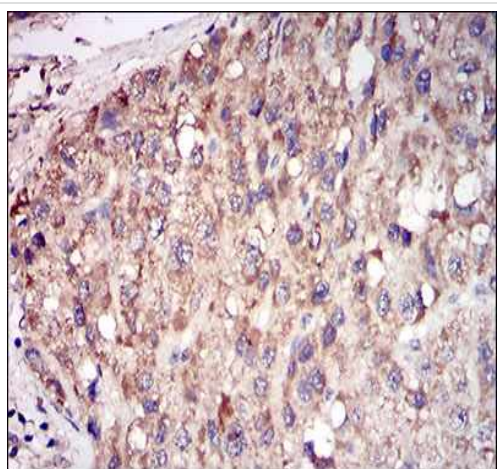


Western blot - Anti-Tartrate Resistant Acid Phosphatase antibody [7E6A11] (ab181468)

Anti-Tartrate Resistant Acid Phosphatase antibody [7E6A11] (ab181468) at 1/500 dilution + TRAP 5 recombinant protein

Predicted band size: 37 kDa

Expected MWt is 37.3 kDa.



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue labeling Tartrate Resistant Acid Phosphatase with ab181468 at 1/200 dilution with DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tartrate Resistant Acid Phosphatase antibody [7E6A11] (ab181468)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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