

ARG44151 anti-ACP5 / TRAcP antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Rabbit Polyclonal recognizes ACP5 / TRAcP |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | FACS, ICC/IF, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | ACP5 / TRAcP |
| Species | Human |
| Immunogen | Human ACP5 / TRAcP recombinant protein (Position: N39 - P325) |
| Conjugation | Un-conjugated |
| Alternate Names | Tartrate-resistant acid ATPase; SPENCDI; TrATPase; TR-AP; EC 3.1.3.2; Type 5 acid phosphatase; TRAP; HPAP; Tartrate-resistant acid phosphatase type 5 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|---|--------------------------------|
| | FACS | 1-3 µg / 10 ⁶ cells |
| | ICC/IF | 5 µg/ml |
| | IHC-P | 2 - 5 µg/ml |
| | WB | 0.25-0.5 µg/ml |
| | | |
| Application Note | *The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

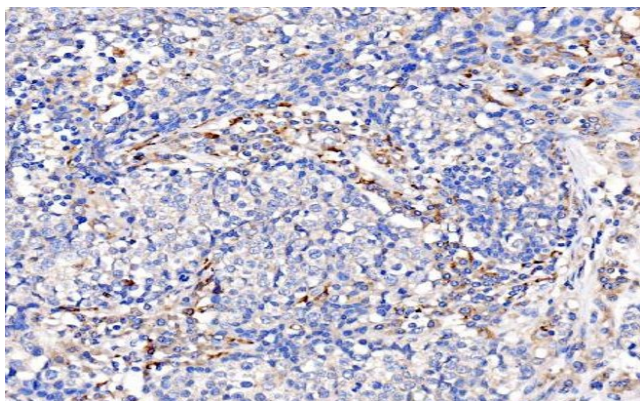
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Bioinformation

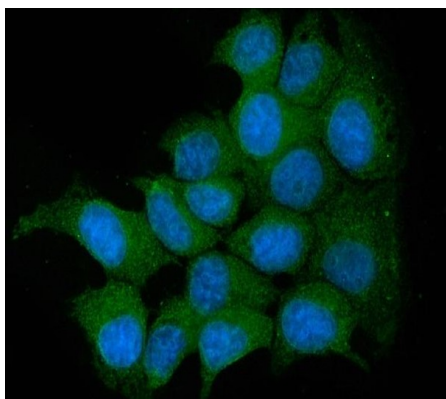
| | |
|-----------------------|---|
| Gene Symbol | ACP5 |
| Gene Full Name | acid phosphatase 5 tartrate resistant |
| Background | This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+) tartrate. [provided by RefSeq Aug 2008] |
| 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. [UniProt] |
| Calculated Mw | 37 kDa |
| Cellular Localization | Cytoplasmic (lysosomes) |

Images



ARG44151 anti-ACP5 / TRAcP antibody IHC-P image

Immunohistochemistry: Human lung stained with ARG44151 anti-ACP5 / TRAcP antibody at 2 µg/ml dilution.

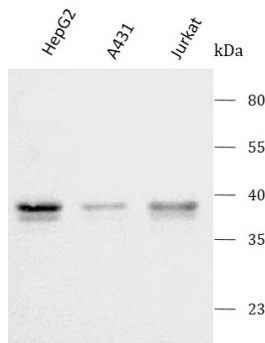


ARG44151 anti-ACP5 / TRAcP antibody ICC/IF image

Immunofluorescence: MCF-7 stained with ARG44151 anti-ACP5 / TRAcP antibody at 5 µg/ml dilution.

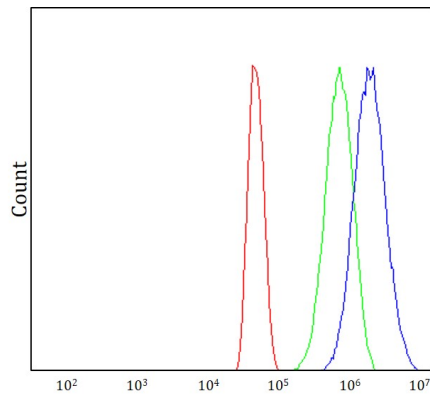
ARG44151 anti-ACP5 / TRAcP antibody WB image

Western blot: HepG2, A431 and Jurkat stained with ARG44151 anti-ACP5 / TRAcP antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



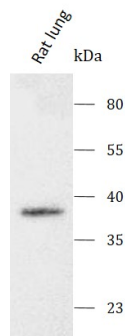
ARG44151 anti-ACP5 / TRAcP antibody FACS image

Flow Cytometry: U251 stained with ARG44151 anti-ACP5 / TRAcP antibody at 1 $\mu\text{g}/10^6$ cells dilution.



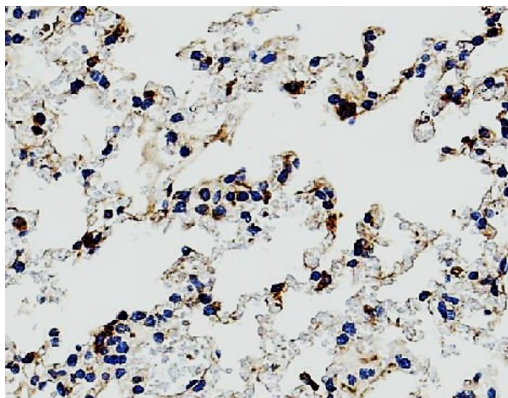
ARG44151 anti-ACP5 / TRAcP antibody WB image

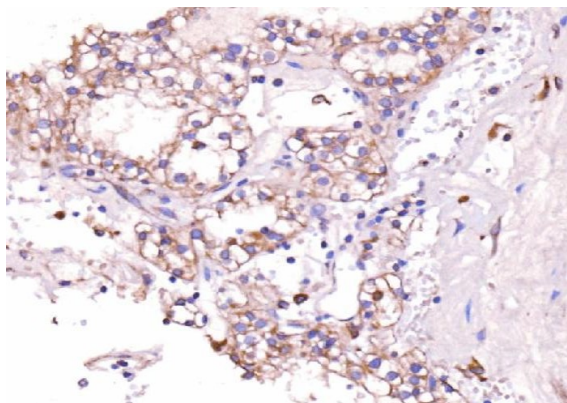
Western blot: Rat lung stained with ARG44151 anti-ACP5 / TRAcP antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG44151 anti-ACP5 / TRAcP antibody IHC-P image

Immunohistochemistry: Mouse lung stained with ARG44151 anti-ACP5 / TRAcP antibody at 2 $\mu\text{g}/\text{ml}$ dilution.





ARG44151 anti-ACP5 / TRAcP antibody IHC-P image

Immunohistochemistry: Human renal cancer stained with ARG44151 anti-ACP5 / TRAcP antibody at 2 µg/ml dilution.