

## Rabbit MICU1 Monoclonal Antibody | anti-MICU1 antibody

MICU1 Monoclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS        |
|-----------|--------|-------------------|---------------------|
| AAA267991 | Rabbit | Human, Mouse, Rat | ELISA, Western Blot |

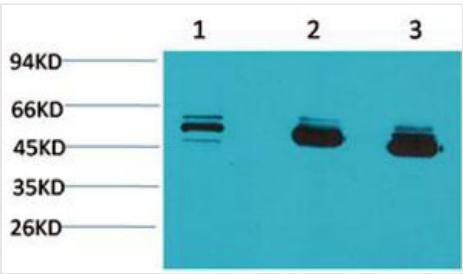
### PRODUCT SYNONYMS

MICU1; Monoclonal Antibody; MICU1 Monoclonal Antibody; SLC39A7; HKE4; RING5; Zinc transporter SLC39A7; Histidine-rich membrane protein Ke4; Really interesting new gene 5 protein; Solute carrier family 39 member 7; anti-MICU1 antibody

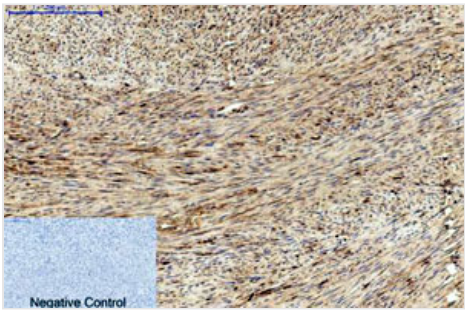
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                     |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity                                     | ZIP7 Polyclonal Antibody detects endogenous levels of ZIP7 protein.                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                 |
| Form/Format                                     | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                               |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                               |
| Sequence Length                                 | 476                                                                                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-MICU1 antibody | ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                              |
| Immunogen                                       | The antiserum was produced against synthesized peptide derived from the Internal region of human ZIP7. at AA range: 100-180.                                                                                                                                                                                                                                                          |
| Function                                        | <b>Similarity:</b> Belongs to the ZIP transporter (TC 2.A.5) family. KE4/Catsup subfamily., tissue specificity: Major expression in placenta, lung, kidney and pancreas.<br><b>Subcellular Location:</b> nucleoplasm, endoplasmic reticulum, endoplasmic reticulum membrane, Golgi apparatus, membrane, integral component of membrane.<br><b>Expression:</b> Kidney, Platelet, Skin. |
| Preparation and Storage                         | -20 degree C/1 year.                                                                                                                                                                                                                                                                                                                                                                  |

IMAGES



**WB (Western Blot)**  
Analysis of:1) MCF72) Mouse Brain Tissue3) Rat Brain Tissue using MICU1 Monoclonal Antibody.



**IHC (Immunohistochemistry)**  
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue.1. MICU1 Monoclonal Antibody(Mix) was diluted at 1:200 (4 degree C,overnight).2. Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C, 20 min).3. Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MICU1 antibody | solute carrier family 39 member 7(SLC39A7) Homo sapiens The protein encoded by this gene transports zinc from the Golgi and endoplasmic reticulum to the cytoplasm. This transport may be important for activation of tyrosine kinases, some of which could be involved in cancer progression. Therefore, modulation of the encoded protein could be useful as a therapeutic agent against cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014], |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 306922382                                                                              |
| NCBI GeneID                      | 7922                                                                                   |
| NCBI Accession #                 | NP_001182447.1                                                                         |
| NCBI GenBank Nucleotide #        | NM_001195518.1                                                                         |
| UniProt Accession #              | Q92504; O75785; Q9H9N6; Q9UFX0; A8MV96; B3KN20; B4DJH9; B4DPI1; B5MBY3; D3YTJ3; Q9BPX6 |
| Molecular Weight                 | Molecular Weight (Da): 50118<br>Observed Band(KD): 50                                  |
| NCBI Official Full Name          | calcium uptake protein 1, mitochondrial isoform 2                                      |
| NCBI Official Synonym Full Names | mitochondrial calcium uptake 1                                                         |
| NCBI Official Symbol             | MICU1                                                                                  |
| NCBI Official Synonym Symbols    | CALC; EFHA3; MPXPS; CBARA1                                                             |
| NCBI Protein Information         | calcium uptake protein 1, mitochondrial                                                |
| UniProt Protein Name             | Calcium uptake protein 1, mitochondrial                                                |
| UniProt Gene Name                | MICU1                                                                                  |
| UniProt Synonym Gene Names       | ; ara CALC                                                                             |

**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.