

## ARG40444 anti-MFI2 / Melanotransferrin antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes MFI2 / Melanotransferrin  |
| Tested Reactivity   | Hu, Ms, Rat   |
| Tested Application  | ICC/IF, WB  |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | MFI2 / Melanotransferrin  |
| Species             | Human   |
| Immunogen           | Recombinant fusion protein corresponding to aa. 20-200 of Human MFI2 / Melanotransferrin (NP_201573.1). |
| Conjugation         | Un-conjugated   |
| Alternate Names     | Melanoma-associated antigen p97; MTF1; CD antigen CD228; MAP97; Melanotransferrin; CD228; MTF           |

### Application Instructions

|                   |  |                |
|-------------------|--|----------------|
| Application table | Application  | Dilution       |
|                   | ICC/IF   | 1:50 - 1:200   |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | SW480  |                |
| Observed Size     | 110 kDa  |                |

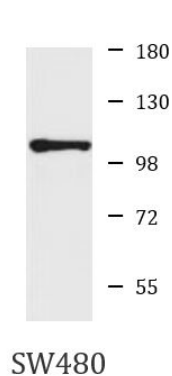
### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified.  |
| Buffer              | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.  |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| 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. 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. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

## Bioinformation

|                       |   |
|-----------------------|---|
| Gene Symbol           | MFI2  |
| Gene Full Name        | antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5  |
| Background            | The protein encoded by this gene is a cell-surface glycoprotein found on melanoma cells. The protein shares sequence similarity and iron-binding properties with members of the transferrin superfamily. The importance of the iron binding function has not yet been identified. This gene resides in the same region of chromosome 3 as members of the transferrin superfamily. Alternative splicing results in two transcript variants. [provided by RefSeq, Jul 2008] |
| Function              | Involved in iron cellular uptake. Seems to be internalized and then recycled back to the cell membrane. Binds a single atom of iron per subunit. Could also bind zinc. [UniProt]  |
| Calculated Mw         | 80 kDa  |
| Cellular Localization | Isoform 1: Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]   |

## Images



ARG40444 anti-MFI2 / Melanotransferrin antibody WB image

Western blot: 25 µg of SW480 cell lysate stained with ARG40444 anti-MFI2 / Melanotransferrin antibody at 1:1000 dilution.