# ARG44426
# anti-MTF1 antibody

Package: 50 µg
Store at: -20°C

## Summary

| | |
|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes MTF1 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | FACS, ICC/IF, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | MTF1 |
| Species | Human |
| Immunogen | Human MTF1 recombinant protein (aa. sequence: A28-D634). |
| Conjugation | Un-conjugated |
| Alternate Names | MTF1; Metal Regulatory Transcription Factor 1; MRE-Binding Transcription Factor; Transcription Factor MTF-1; Metal-Responsive Transcription Factor 1; MRE-Binding Transcription Factor-1; Zinc Regulatory Factor; MTF-1; ZRF |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| FACS | 1-3 µg/1x10^6 cells |
| ICC/IF | 5 µg/ml |
| IHC-P | 2-5 µg/ml |
| WB | 0.1-0.25 µg/ml |

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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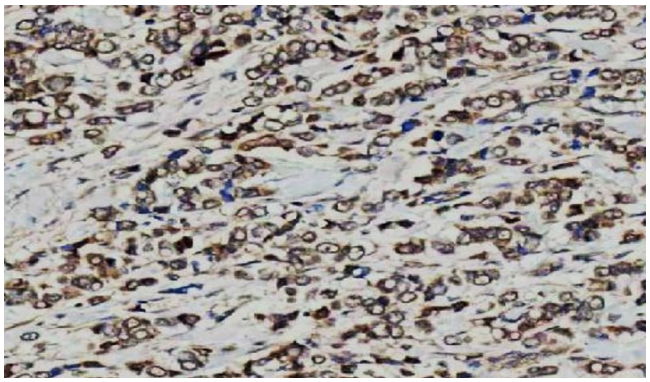
|---|---|
| Form | Liquid |
| Purification | Affinity purified with Immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store 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. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

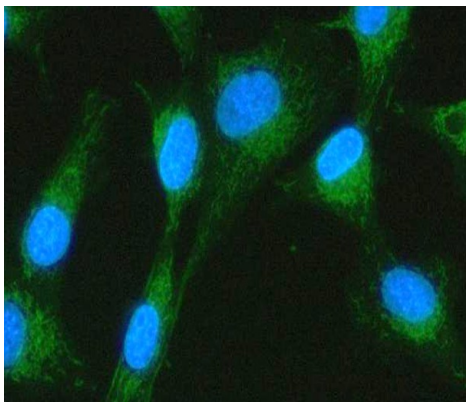
| | |
|---|---|
| Gene Symbol | MTF1 |
| Gene Full Name | Metal Regulatory Transcription Factor 1 |
| Background | This gene encodes a transcription factor that induces expression of metallothioneins and other genes involved in metal homeostasis in response to heavy metals such as cadmium, zinc, copper, and silver. The protein is a nucleocytoplasmic shuttling protein that accumulates in the nucleus upon heavy metal exposure and binds to promoters containing a metal-responsive element (MRE). |
| Function | Zinc-dependent transcriptional regulator of cellular adaption to conditions of exposure to heavy metals. |
| Calculated Mw | 81 kDa |
| PTM | Acetylation, Phosphoprotein |
| Cellular Localization | Cytoplasm, Nucleus |

## Images



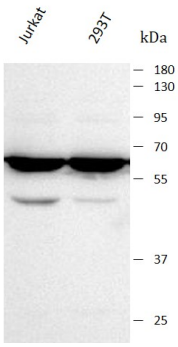
ARG44426 anti-MTF1 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG44426 anti-MTF1 antibody at 2 µg/mL dilution.



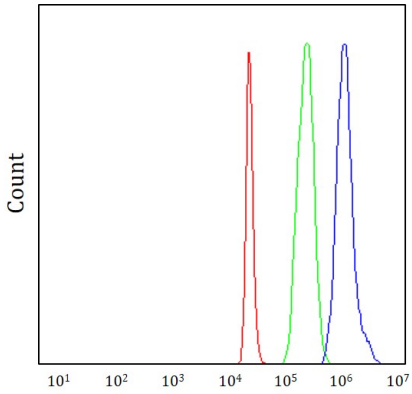
ARG44426 anti-MTF1 antibody ICC/IF image

Immunofluorescence: U87 stained with ARG44426 anti-MTF1 antibody at 5 µg/mL dilution.



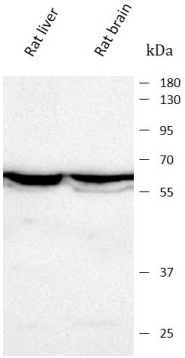

ARG44426 anti-MTF1 antibody WB image

Western blot: Jurkat and 293T stained with ARG44426 anti-MTF1 antibody at 0.5 µg/mL dilution.



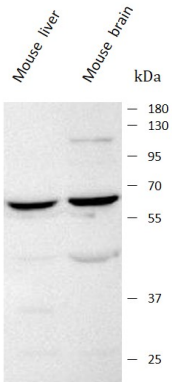

ARG44426 anti-MTF1 antibody FACS image

Flow Cytometry: 293T stained with ARG44426 anti-MTF1 antibody at 1 µg/10^6 cells dilution.




ARG44426 anti-MTF1 antibody WB image

Western blot: Rat liverand Rat brain stained with ARG44426 anti-MTF1 antibody at 0.5 µg/mL dilution.




ARG44426 anti-MTF1 antibody WB image

Western blot: Mouse liver and Mouse brain stained with ARG44426 anti-MTF1 antibody at 0.5 µg/mL dilution.