

## Anti-MTX1 Polyclonal Antibody

## Product Details

|                   |  |
|-------------------|--|
| Ig Type:          | IgG  |
| Reactivity:       | Mouse (predicted:Human,Dog,Cow,Horse,Rabbit,Sheep) |
| Molecular Weight: | Theoretical: 51 kDa.                               |
| Purification:     | Protein A purified                                 |

## Applications

|                    |   |
|--------------------|---|
| Verified Activity: | Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MTX1) Polyclonal Antibody, Unconjugated (TMAB-09088) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining. |
| Application:       | IHC-P,IHC-Fr,IF   |
| Recommended        | IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500  |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | KLH conjugated synthetic peptide: human MTX1 |
| Antigen Species: | Human  |
| Gene ID:         | 4580   |
| Uniprot ID:      | Q13505                                       |

## Research Background

Metaxin 1 is a 317 amino acid member of the Metaxin protein family. Localized to the mitochondrion outer membrane, Metaxin 1 is involved in the transport of proteins into the mitochondrion. Metaxin 1 is also believed to be essential for embryonic development. Metaxin 1 has been found to interact with other Metaxin family members, including Metaxin 2. Although ubiquitously expressed, highest levels of Metaxin 1 are present in kidney. The gene that encodes Metaxin 1 maps to human chromosome 1, which is the largest human chromosome, spanning about 260 million base pairs and making up 8% of the human genome.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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