

Datasheet for ABIN6144128  
**anti-MTDH antibody (AA 1-260)**



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## Overview

|                      |                                                                            |
|----------------------|----------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                     |
| Target:              | MTDH                                                                       |
| Binding Specificity: | AA 1-260                                                                   |
| Reactivity:          | Human                                                                      |
| Host:                | Rabbit                                                                     |
| Clonality:           | Polyclonal                                                                 |
| Conjugate:           | This MTDH antibody is un-conjugated                                        |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF) |

## Product Details

|                   |                                                                                                                                                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human MTDH (NP_848927.2).                                                                                                                                                                                         |
| Sequence:         | MAARSWQDEL AQQAEEGSAR LREMLSVGLG FLRTELGLDL GLEPKRYPGW VILVGTGALG<br>LLLLFLLGYG WAAACAGARK KRRSPPRKRE EAAAVPAAAP DDLALLKNLR SEEQKKKNRK<br>KLSEKPKPNG RTVEVAEGEA VRTPQSVTAK QPPEIDKKNE KSKKNKKKSK SDAKAVQNSS<br>RHDGKEVDEG AWETKISHRE KRQQRKRDV LTDSGSLDST IPGIENTITV TTEQLTTASF<br>PVGSKKNKGD SHLNVQVSNF |
| Isotype:          | IgG                                                                                                                                                                                                                                                                                                      |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                                                                                                                                                                                                                        |
| Characteristics:  | Polyclonal Antibodies                                                                                                                                                                                                                                                                                    |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | MTDH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternative Name: | MTDH ( <a href="#">MTDH Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | Downregulates SLC1A2/EAAT2 promoter activity when expressed ectopically. Activates the nuclear factor kappa-B (NF-kappa-B transcription factor. Promotes anchorage-independent growth of immortalized melanocytes and astrocytes which is a key component in tumor cell expansion. Promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Induces chemoresistance.,MTDH,3D3,AEG-1,AEG1,LYRIC,LYRIC/3D3,Epigenetics & Nuclear Signaling,RNA Binding,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Cell Adhesion,Tight Junctions,Cytoskeleton,Microfilaments,MTDH |
| Molecular Weight: | 63 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene ID:          | 92140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt:          | <a href="#">Q86UE4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Pathways:         | <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Cell-Cell Junction Organization</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Application Details

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200 |
| Restrictions:      | For Research Use only                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.                                                                    |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.                                                                            |