

## **THAP4 Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP50652

### **Specification**

## **THAP4 Antibody - Product Information**

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW
Antigen Region

WB
<u>O8WY91</u>
Human, Mouse, Rat
Rabbit
Polyclonal
63,19 KDa
355-386

# **THAP4 Antibody - Additional Information**

**Gene ID 51078** 

#### **Other Names**

THAP domain-containing protein 4, THAP4

### **Dilution**

WB~~1:1000

### **Format**

Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

# **Storage Conditions**

-20°C

# **THAP4 Antibody - Protein Information**

### Name THAP4 (HGNC:23187)

#### **Function**

Heme-binding protein able to scavenge peroxynitrite and to protect free L-tyrosine against peroxynitrite-mediated nitration, by acting as a peroxynitrite isomerase that converts peroxynitrite to nitrate. Therefore, this protein likely plays a role in peroxynitrite sensing and in the detoxification of reactive nitrogen and oxygen species (RNS and ROS, respectively). Is able to bind nitric oxide (NO) in vitro, but may act as a sensor of peroxynitrite levels in vivo, possibly modulating the transcriptional activity residing in the N- terminal region.

#### **Cellular Location**

Cytoplasm. Nucleus. Note=Localizes mainly in the cytoplasm and partially in the nucleus.

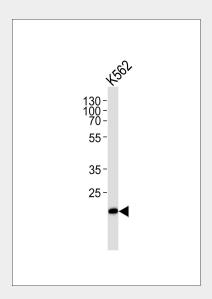


## **THAP4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **THAP4 Antibody - Images**



Western blot analysis of lysate from K562 cell line, using THAP4 Antibody (AP50652). AP50652 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

# **THAP4 Antibody - References**

Lai C.-H.,et al.Genome Res. 10:703-713(2000). Wan D.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004). Hillier L.W.,et al.Nature 434:724-731(2005). Ota T.,et al.Nat. Genet. 36:40-45(2004). Matsuoka S.,et al.Science 316:1160-1166(2007).