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THAP4 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50652

Specification

THAP4 Antibody - Product Information

Application	**WB**
Primary Accession	Q8WY91
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**63,19 KDa**
Antigen Region	**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℃

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.

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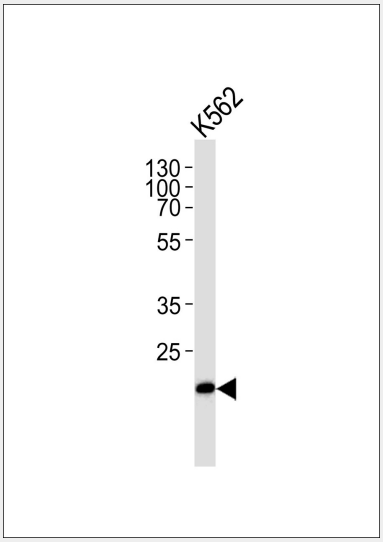
THAP4 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- 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).
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