

THAP4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50652

Product Information

Application	WB
Primary Accession	Q8WY91
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	62890

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 Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20°C

Protein Information

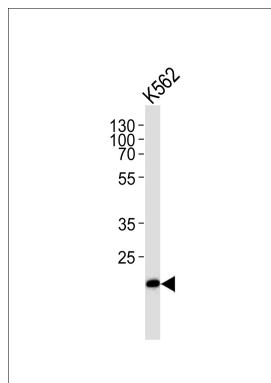
Name	THAP4 (HGNC:23187)
Function	Heme-binding protein able to scavenge peroxynitrite and to protect free L-tyrosine against peroxynitrite-mediated nitration, by acting as a peroxynitrite isomerase that converts peroxynitrite to nitrate. Therefore, this protein likely plays a role in peroxynitrite sensing 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.

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).

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.

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