

NAP1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51007

Product Information

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|--------------------------|------------------------|
| Application | WB |
| Primary Accession | Q9H6S1 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 44935 |

Additional Information

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| Gene ID | 64343 |
| Other Names | 5-azacytidine-induced protein 2, NF-kappa-B-activating kinase-associated protein 1, Nak-associated protein 1, TILP, AZI2, NAP1, TBKBP2 |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NAP1. The exact sequence is proprietary. |
| Dilution | WB~~ 1:1000 |
| Format | 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50% |
| Storage | Store at -20 °C. Stable for 12 months from date of receipt |

Protein Information

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|--------------------------|---|
| Name | AZI2 |
| Synonyms | NAP1 {ECO:0000303 PubMed:14560022}, TBKB |
| Function | Adapter protein which binds TBK1 and IKBKE playing a role in antiviral innate immunity (PubMed:14560022, PubMed:21931631). Activates serine/threonine-protein kinase TBK1 and facilitates its oligomerization (PubMed:14560022, PubMed:21931631). Enhances the phosphorylation of NF-kappa-B p65 subunit RELA by TBK1 (PubMed:14560022, PubMed:21931631). Promotes TBK1-induced as well as TNF or PMA-induced activation of NF-kappa-B (PubMed:14560022, PubMed:21931631). Participates in IFNB promoter activation via TICAM1 (PubMed:15611223). |
| Cellular Location | Cytoplasm. |
| Tissue Location | Widely expressed (PubMed:14560022). Abundant expression seen in the pancreas and testis (PubMed:14560022) |

Background

Adapter protein which binds TBK1 and IKKε playing a role in antiviral innate immunity. Activates serine/threonine- protein kinase TBK1 and facilitates its oligomerization. Enhances the phosphorylation of NF-κB p65 subunit RELA by TBK1. Promotes TBK1-induced as well as TNF-α or PMA-induced activation of NF-κB. Participates in IFNβ promoter activation via TICAM1.

References

Fujita F., et al. *Mol. Cell. Biol.* 23:7780-7793(2003).

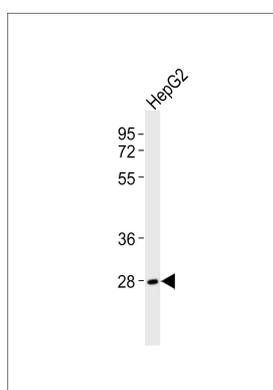
Inohara N., et al. Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. *Nat. Genet.* 36:40-45(2004).

Muzny D.M., et al. *Nature* 440:1194-1198(2006).

Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Anti-NAP1 Antibody at 1:1000 dilution + HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 45 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

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