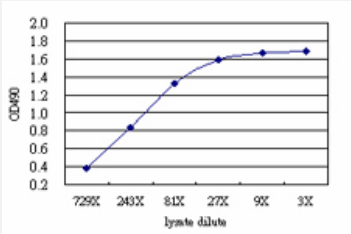
# NEK3 (Human) Matched Antibody Pair

Catalog # H00004752-AP51 Size 1 Set

## Applications




Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the NEK3 293T overexpression lysate (non-denatured).

## Specification

| | |
|---|---|
| **Product Description** | This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human NEK3. |
| **Reactivity** | Human |
| **Interspecies Antigen Sequence** | Mouse (74%); Rat (69%) |
| **Quality Control Testing** | Standard curve using NEK3 293T overexpression lysate (non-denatured) as an analyte.<br>Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the NEK3 29 3T overexpression lysate (non-denatured). |
| **Supplied Product** | Antibody pair set content:<br>1. Capture antibody: mouse monoclonal anti-NEK3 (100 ug)<br>2. Detection antibody: rabbit purified polyclonal anti-NEK3 (50 ug)<br>*Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols. |
| **Storage Instruction** | Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use. |

## Applications

- ELISA Pair (Transfected lysate)

  Protocol Download

## Gene Info — NEK3

| | |
|---|---|
| **Entrez GeneID** | 4752 |
| **Gene Name** | NEK3 |
| **Gene Alias** | HSPK36, MGC29949 |
| **Gene Description** | NIMA (never in mitosis gene a)-related kinase 3 |
| **Omim ID** | 604044 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a member of the NimA (never in mitosis A) family of serine/threonine protein kinases. The encoded protein differs from other NimA family members in that it is not cell cycle regulated and is found primarily in the cytoplasm. The kinase is activated by prolactin stimulation, leading to phosphorylation of VAV2 guanine nucleotide exchange factor, paxillin, and activation of the RAC1 GTPase. Multiple transcript variants encoding different isoforms have been found for this gene |
| **Other Designations** | NIMA-related kinase 3\|glycogen synthase A kinase\|hydroxyalkyl-protein kinase\|phosphorylase B kinase kinase\|serine/threonine-protein kinase NEK3 |

## Disease

- Tobacco Use Disorder