

## Goat NEK7 Polyclonal Antibody | anti-NEK7 antibody

Goat Polyclonal to Human NEK7

| CATALOG # | HOST | REACTIVITY                                                                                                                                                            | APPLICATIONS                              |
|-----------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| AAA51504  | Goat | Bat, Gibbon, Bovine, Chicken, Dog, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat<br>Predicted Reactivity: Xenopus (at least 90% immunogen sequence identity) | ELISA, Western Blot, Immunohistochemistry |

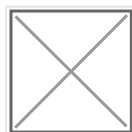
### PRODUCT SYNONYMS

NEK7; Polyclonal Antibody; Goat Polyclonal to Human NEK7; Anti-NEK7 Antibody (Internal) IHC-plus; NimA-related protein kinase 7; NIMA-related kinase 7; Human NEK7; anti-NEK7 antibody

### PRODUCT SPECIFICATIONS

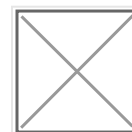
|                                                |                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Goat                                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity                                     | Bat, Gibbon, Bovine, Chicken, Dog, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat<br><b>Predicted Reactivity:</b> Xenopus (at least 90% immunogen sequence identity)                                                                                                                                                                                             |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                               |
| Specificity                                    | Human NEK7.                                                                                                                                                                                                                                                                                                                                                              |
| Purity/Purification                            | Immunoaffinity Purified                                                                                                                                                                                                                                                                                                                                                  |
| Form/Format                                    | Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide                                                                                                                                                                                                                                                                                                               |
| Concentration                                  | 0.5 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                |
| Sequence Length                                | 302                                                                                                                                                                                                                                                                                                                                                                      |
| Applicable Applications for anti-NEK7 antibody | ELISA, WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                     |
| Target Species                                 | Human                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen Description                          | Synthetic peptide C-NTLANFRIEKK from an internal region of human NEK7 (NP_598001.1).                                                                                                                                                                                                                                                                                     |
| Immunogen Type                                 | Synthetic peptide                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                                      | NEK7 antibody was raised against synthetic peptide C-NTLANFRIEKK from an internal region of human NEK7 (NP_598001.1). Percent identity by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Bovine, Dog, Bat, Horse, Rabbit, Pig, Opossum, Turkey, Chicken (100%); Xenopus (91%); Salmon, Stickleback, Pufferfish, Zebrafish (82%). |
| Antigen Modification                           | Internal                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                        | Store at -20 degree C. Minimize freezing and thawing.                                                                                                                                                                                                                                                                                                                    |

### IMAGES



#### WB (Western Blot)

NEK7 antibody (0.05 ug/ml) staining of HeLa lysate (35 ug protein/ml in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



#### IHC (Immunohistochemistry)

Anti-NEK7 antibody IHC of human thyroid. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 3.75 ug/ml.

ADDITIONAL INFORMATION

|                                                    |                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NEK7 antibody | NEK7 encodes a NEK type protein kinase, which contains a C-terminal NIMA-like catalytic domain. |
| Product Categories/Family for anti-NEK7 antibody   | Family: Protein Kinase; Subfamily: NEK                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 19424132                                                                                                                                                  |
| NCBI GeneID                      | 140609                                                                                                                                                    |
| NCBI Accession #                 | NP_598001.1                                                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_133494.2                                                                                                                                               |
| UniProt Accession #              | Q8TDX7; A6NGT8                                                                                                                                            |
| Molecular Weight                 | 13,402 Da                                                                                                                                                 |
| NCBI Official Full Name          | serine/threonine-protein kinase Nek7                                                                                                                      |
| NCBI Official Synonym Full Names | NIMA-related kinase 7                                                                                                                                     |
| NCBI Official Symbol             | NEK7                                                                                                                                                      |
| NCBI Protein Information         | serine/threonine-protein kinase Nek7; nimA-related protein kinase 7; never in mitosis A-related kinase 7; NIMA (never in mitosis gene a)-related kinase 7 |
| UniProt Protein Name             | Serine/threonine-protein kinase Nek7                                                                                                                      |
| UniProt Gene Name                | NEK7                                                                                                                                                      |
| UniProt Synonym Gene Names       | NimA-related protein kinase 7                                                                                                                             |
| UniProt Entry Name               | NEK7_HUMAN                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.