

## Rabbit anti-Human CDK8 Polyclonal Antibody | anti-CDK8 antibody

Rabbit anti-CDK8 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA211899 | Rabbit | Human      | Immunohistochemistry, Immunoprecipitation, Western Blot |

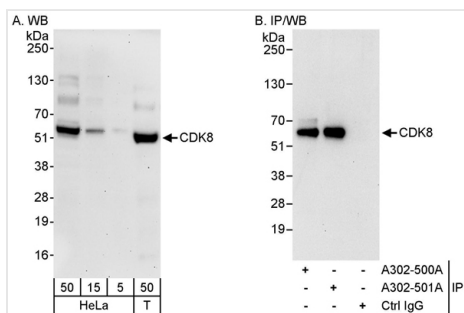
### PRODUCT SYNONYMS

CDK8; Polyclonal Antibody; Rabbit anti-CDK8 Antibody; Affinity Purified; protein kinase K35; mediator of RNA polymerase II transcription subunit CDK8; mediator complex subunit CDK8; K35; cyclin-dependent kinase 8; CDK8 protein kinase; cell division protein kinase 8; Cyclin-dependent kinase 8; cyclin dependent kinase 8; anti-CDK8 antibody

### PRODUCT SPECIFICATIONS

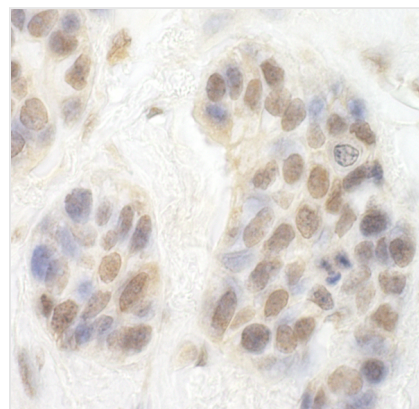
|                                                |                                                                                    |
|------------------------------------------------|------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                             |
| Reactivity                                     | Human                                                                              |
| Clonality                                      | Polyclonal                                                                         |
| Purity/Purification                            | Antigen Affinity Purified                                                          |
| Form/Format                                    | Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| Concentration                                  | 200ug/ml (varies by lot)                                                           |
| Applicable Applications for anti-CDK8 antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)            |
| Predicted Reactivity                           | Mouse                                                                              |
| Immunogen                                      | Between 414 and C-terminus                                                         |
| Conjugation                                    | Unconjugated                                                                       |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                   |

### IMAGES



#### WB (Western Blot)

Detection of human CDK8 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T: 50 ug) cells. Antibodies: Affinity purified rabbit anti-CDK8 antibody AAA211899 used for WB at 0.04 ug/ml (A) and 0.4 ug/ml (B) and used for IP at 3 ug/mg lysate. CDK8 was also immunoprecipitated by rabbit anti-CDK8 antibody which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



#### IHC (Immunohistochemistry)

Detection of human CDK8 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-CDK8 (Cat. No. AAA211899) used at a dilution of 1:200 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDK8 antibody | Cyclin-dependent kinase 8 (CDK8) associates with cyclin C and is a component of the RNA polymerase II holoenzyme complex which phosphorylates the carboxy-terminal domain (CTD) of the largest subunit of RNA polymerase II. CDK8 has also been shown to regulate transcription by targeting the CDK7/cyclin H subunits of the general transcription initiation factor IIH (TFIIH), thus providing a link between the 'Mediator-like' protein complexes and the basal transcription machinery [taken from NCBI Entrez Gene (GeneID: 1024)]. |
| Product Categories/Family for anti-CDK8 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4502745                                                                                                                                                                                     |
| NCBI GeneID                      | 1024                                                                                                                                                                                        |
| NCBI Accession #                 | NP_001251.1                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001260.1                                                                                                                                                                                 |
| UniProt Accession #              | P49336; Q5VUF3; Q6ISB5                                                                                                                                                                      |
| Molecular Weight                 | 53,284 Da                                                                                                                                                                                   |
| NCBI Official Full Name          | cyclin-dependent kinase 8                                                                                                                                                                   |
| NCBI Official Synonym Full Names | cyclin-dependent kinase 8                                                                                                                                                                   |
| NCBI Official Symbol             | CDK8                                                                                                                                                                                        |
| NCBI Official Synonym Symbols    | K35                                                                                                                                                                                         |
| NCBI Protein Information         | cyclin-dependent kinase 8; protein kinase K35; CDK8 protein kinase; mediator complex subunit CDK8; cell division protein kinase 8; mediator of RNA polymerase II transcription subunit CDK8 |
| UniProt Protein Name             | Cyclin-dependent kinase 8                                                                                                                                                                   |
| UniProt Gene Name                | CDK8                                                                                                                                                                                        |
| UniProt Entry Name               | CDK8_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cdk8-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211899>