

**BM28 Polyclonal Antibody**  
**Catalog # AP68678****Specification****BM28 Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | <b>WB</b>              |
| Primary Accession | <a href="#">P49736</a> |
| Reactivity        | <b>Human, Mouse</b>    |
| Host              | <b>Rabbit</b>          |
| Clonality         | <b>Polyclonal</b>      |

**BM28 Polyclonal Antibody - Additional Information****Gene ID** 4171**Other Names**

MCM2; BM28; CCNL1; CDCL1; KIAA0030;  
DNA replication licensing factor MCM2;  
Minichromosome maintenance protein 2  
homolog; Nuclear protein BM28

**Dilution**

WB~~Western Blot: 1/500 - 1/2000.  
Immunohistochemistry: 1/100 - 1/300.  
Immunofluorescence: 1/200 - 1/1000.  
ELISA: 1/40000. Not yet tested in other  
applications.

**Format**

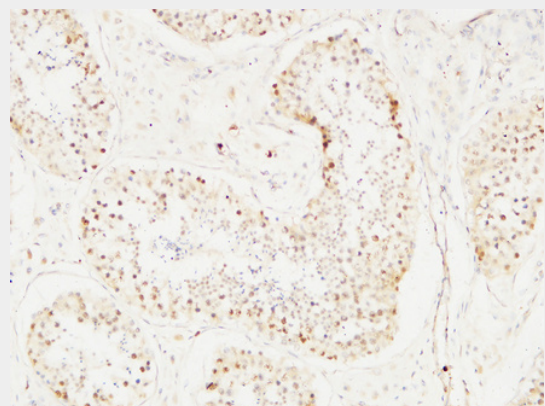
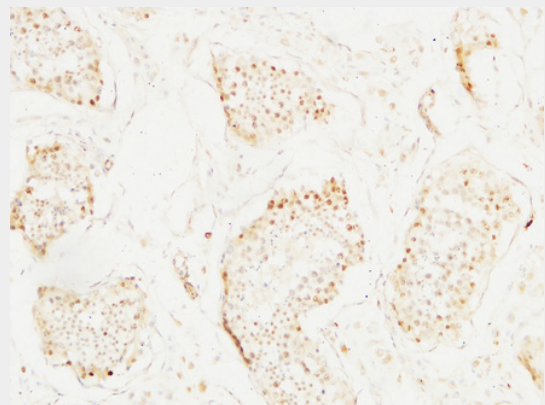
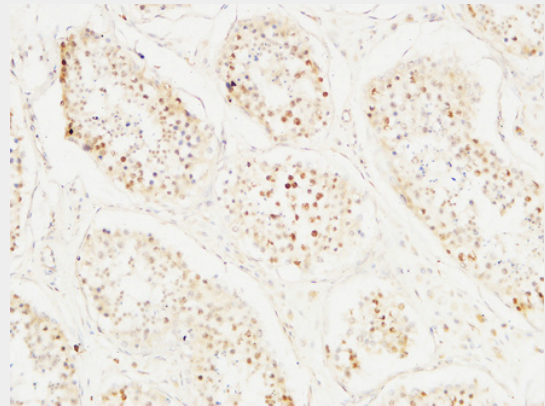
Liquid in PBS containing 50% glycerol, 0.5%  
BSA and 0.02% sodium azide.

**Storage Conditions**

-20°C

**BM28 Polyclonal Antibody - Protein Information****Name** MCM2**Synonyms** BM28, CCNL1, CDCL1,  
KIAA0030**Function**

Acts as component of the MCM2-7 complex  
(MCM complex) which is the putative  
replicative helicase essential for 'once per  
cell cycle' DNA replication initiation and  
elongation in eukaryotic cells. The active  
ATPase sites in the MCM2-7 ring are formed



through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for the entry in S phase and for cell division. Plays a role in terminally differentiated hair cells development of the cochlea and induces cells apoptosis.

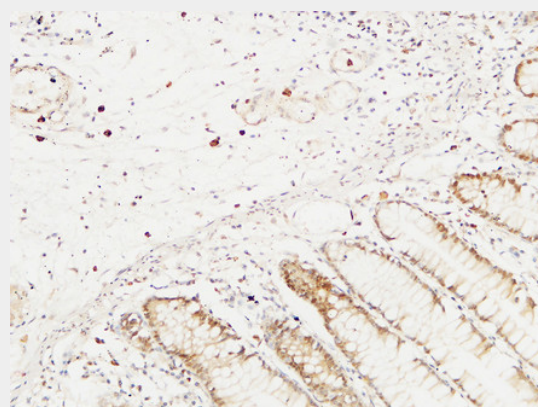
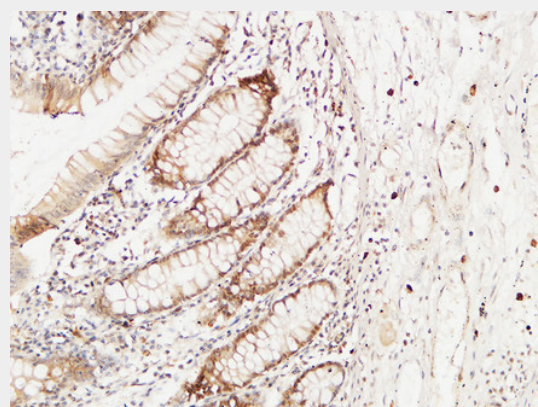
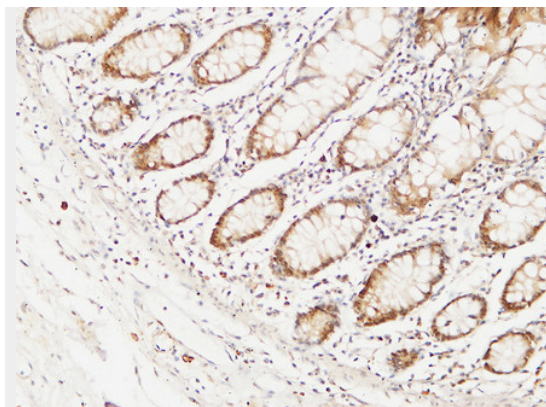
#### Cellular Location

Nucleus. Chromosome

{ECO:0000250|UniProtKB:P55861}.

Note=Associated with chromatin before the formation of nuclei and detaches from it as DNA replication progresses.

{ECO:0000250|UniProtKB:P55861}



#### BM28 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### BM28 Polyclonal Antibody - Background

Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a

conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for the entry in S phase and for cell division. Plays a role in terminally differentiated hair cells development of the cochlea and induces cells apoptosis.